

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062220\
 Data File : BN011016.D
 Acq On : 22 Jun 2020 19:15
 Operator : CG/JU
 Sample : L3033-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW009-200616

Quant Time: Jun 23 12:59:15 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	3174	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	9822	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	9623	0.40	ng	0.01
19) Phenanthrene-d10	16.90	188	11842	0.40	ng	-0.01
27) Chrysene-d12	21.11	240	14232	0.40	ng	-0.01
34) Perylene-d12	23.26	264	12134	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.16	112	2624	0.43	ng	-0.02
5) Phenol-d6	6.76	99	915	0.13	ng	0.03
8) Nitrobenzene-d5	8.66	82	7282	1.00	ng	-0.01
11) 2-Methylnaphthalene-d10	11.87	152	5486	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.65	330	1444	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.76	172	9979	0.26	ng	-0.01
25) Fluoranthene-d10	18.94	212	13312	0.41	ng	0.00
29) Terphenyl-d14	19.56	244	16119	0.48	ng	0.00

Target Compounds

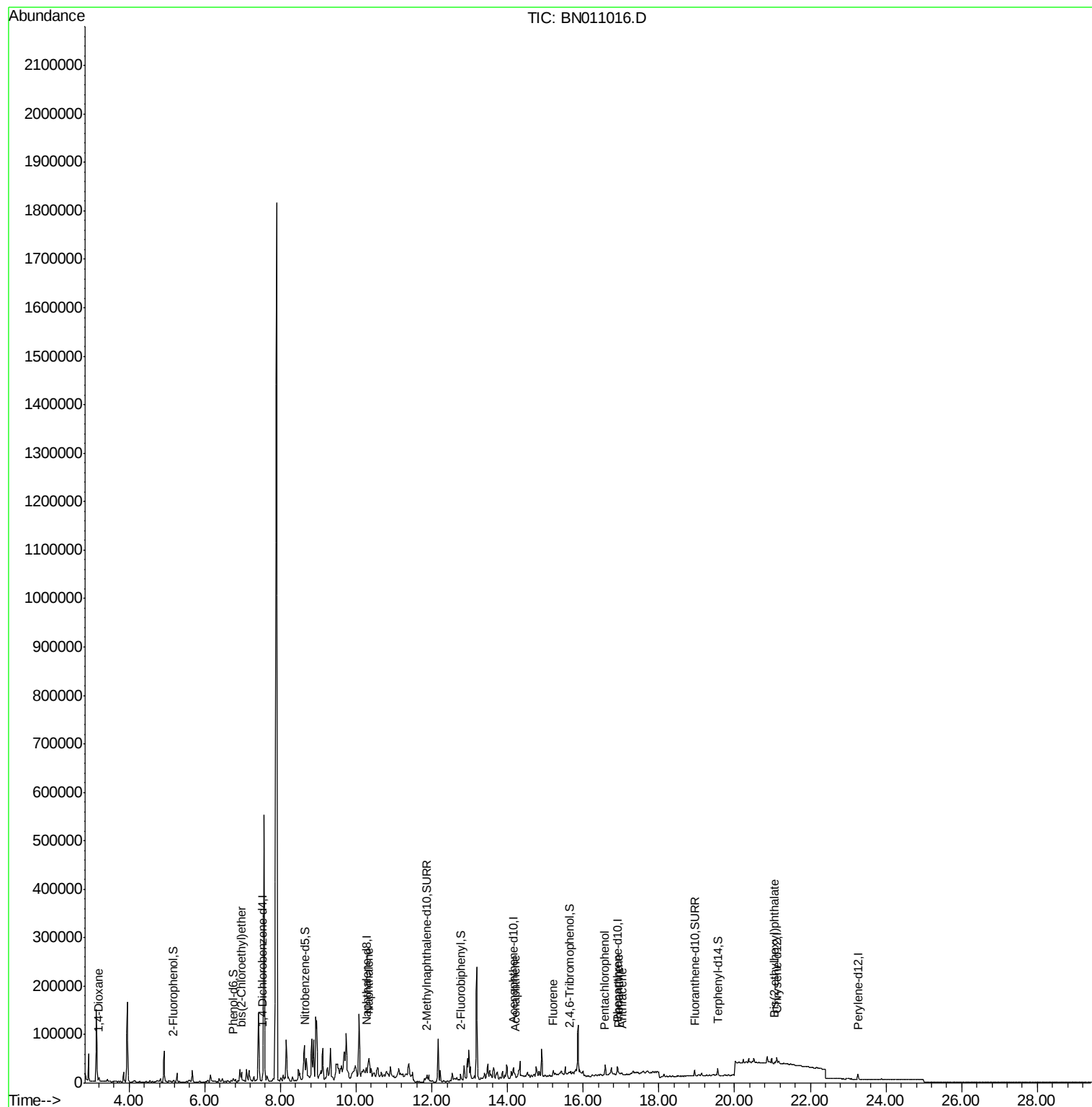
						Qvalue
2) 1,4-Dioxane	3.21	88	6091	1.959	ng	# 83
6) bis(2-Chloroethyl)ether	6.97	93	14656	2.083	ng	# 82
9) Naphthalene	10.33	128	35131	1.423	ng	# 79
17) Acenaphthene	14.21	154	1819	0.068	ng	# 80
18) Fluorene	15.21	166	5240	0.151	ng	# 89
22) Pentachlorophenol	16.56	266	112	0.045	ng	# 88
23) Phenanthrene	16.94	178	3160	0.098	ng	# 40
24) Anthracene	17.03	178	1652	0.061	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.06	149	1976	0.142	ng	# 89

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
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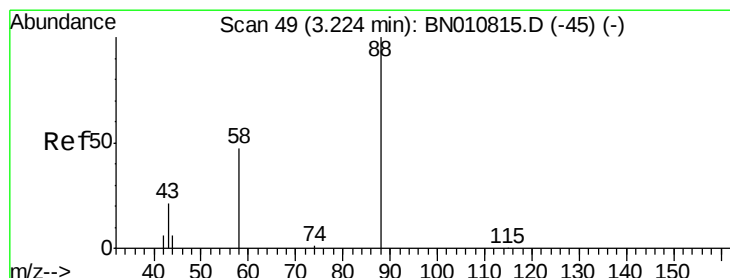
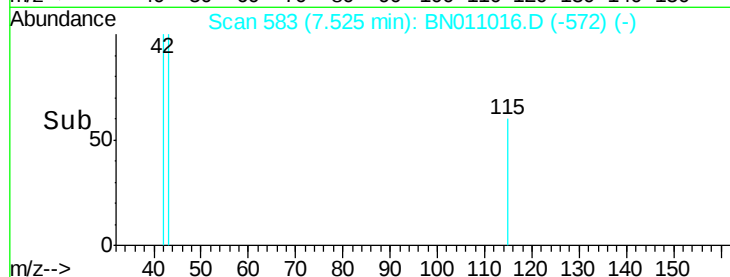
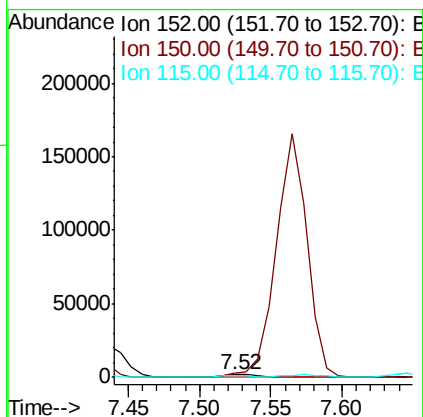
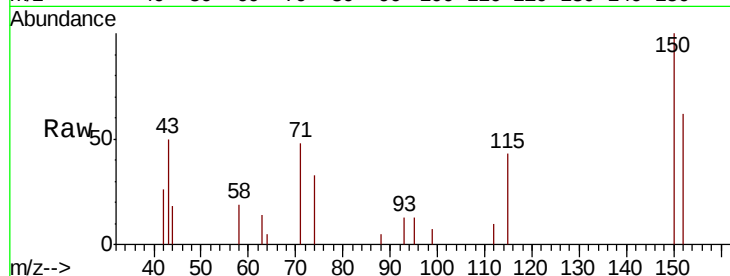


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BN011016.D
Acq: 22 Jun 2020 19:15

Instrument :
BNA_N
ClientSampleId :
SS043MW009-200616

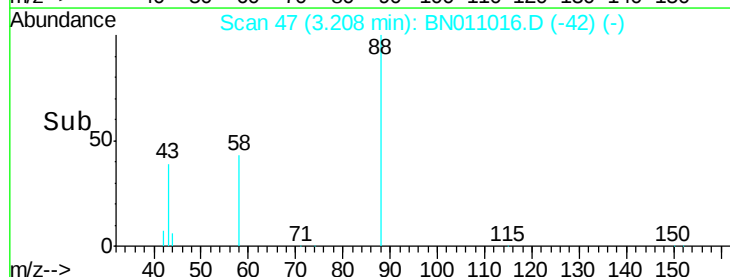
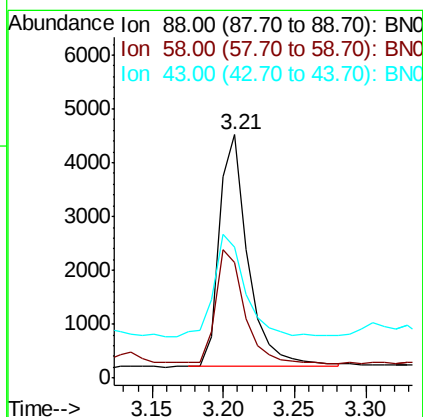
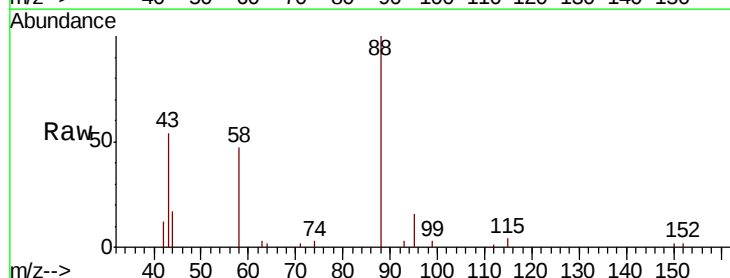
Tot Ion:152 Resp: 3174
Ion Ratio Lower Upper
152 100
150 160.1 123.8 185.6
115 68.1 49.2 73.8



#2

1,4-Dioxane
Concen: 1.959 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.01 min
Lab File: BN011016.D
Acq: 22 Jun 2020 19:15

Tgt Ion: 88 Resp: 6091
Ion Ratio Lower Upper
88 100
58 47.4 38.2 57.4
43 45.0 15.1 22.7#





#4

2-Fluorophenol

Concen: 0.428 ng

RT: 5.16 min Scan# 290

Delta R.T. -0.02 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

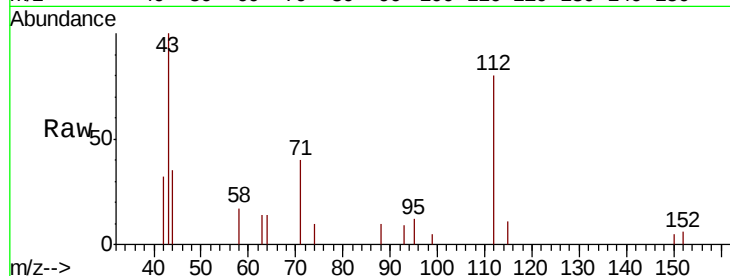
Tot Ion: 112 Resp: 2624

Ion Ratio Lower Upper

112 100

64 21.4 37.4 56.0#

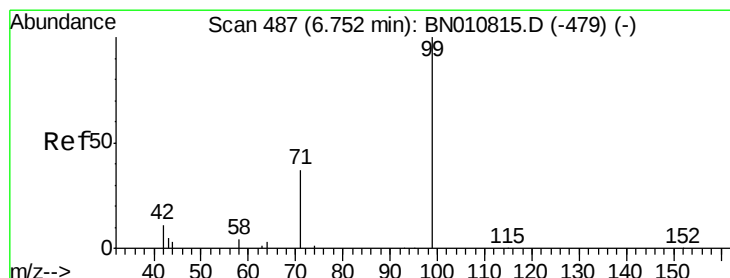
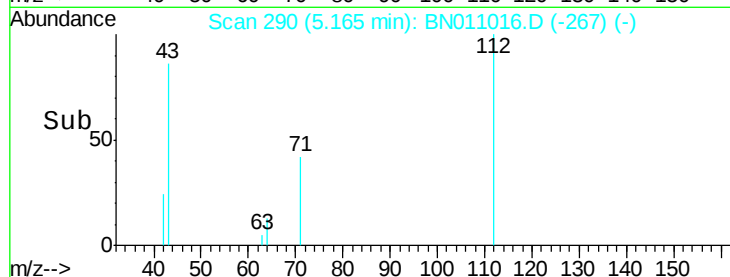
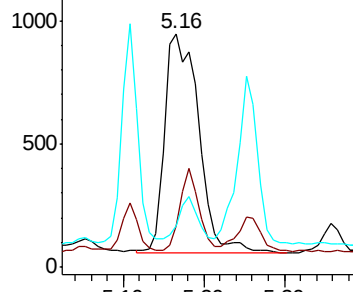
63 13.3 22.2 33.4#



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: 0.127 ng

RT: 6.76 min Scan# 488

Delta R.T. 0.03 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

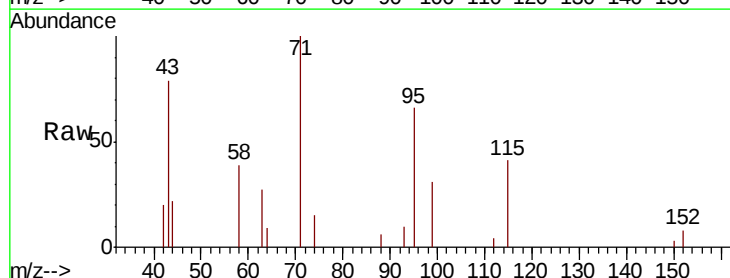
Tgt Ion: 99 Resp: 915

Ion Ratio Lower Upper

99 100

42 35.7 11.1 16.7#

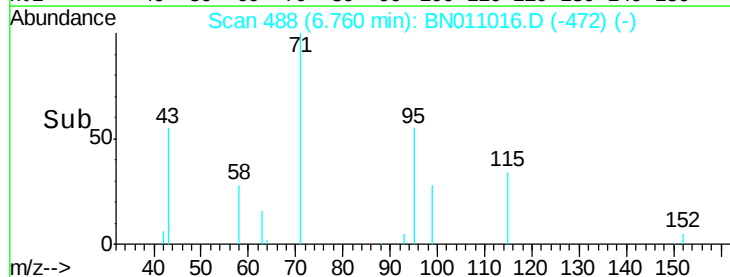
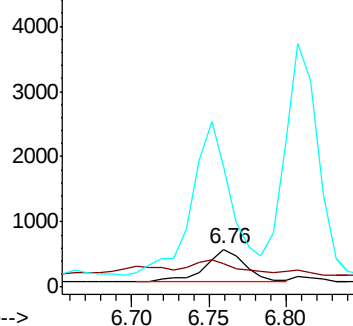
71 464.4 31.4 47.2#

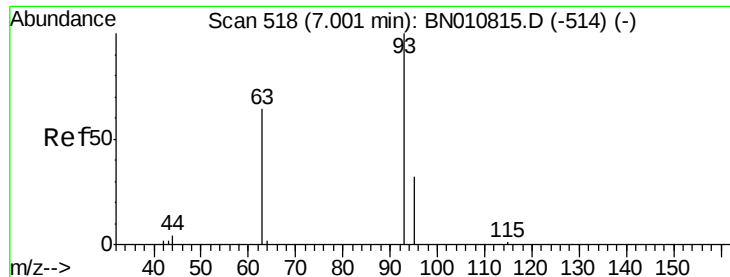


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO



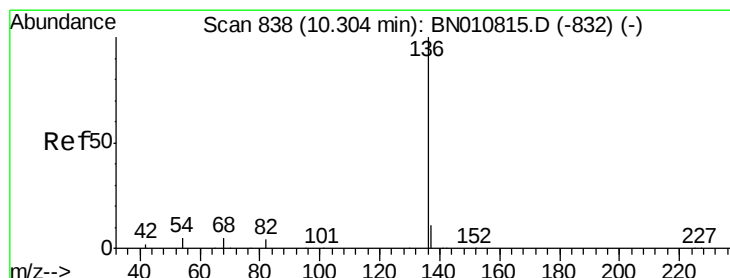
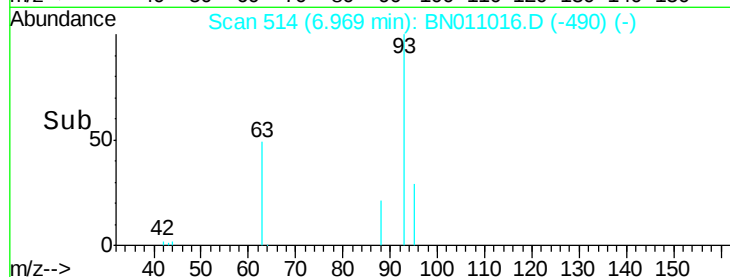
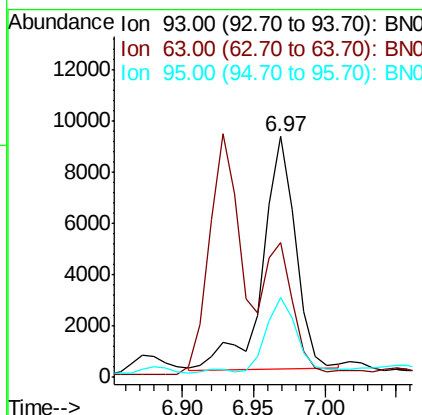
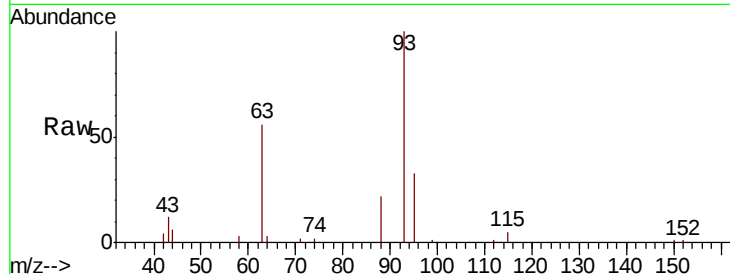


#6

bis(2-Chloroethyl)ether
Concen: 2.083 ng
RT: 6.97 min Scan# 514
Delta R.T. -0.01 min
Lab File: BN011016.D
Acq: 22 Jun 2020 19:15

Instrument :
BNA_N
ClientSampleId :
SS043MW009-200616

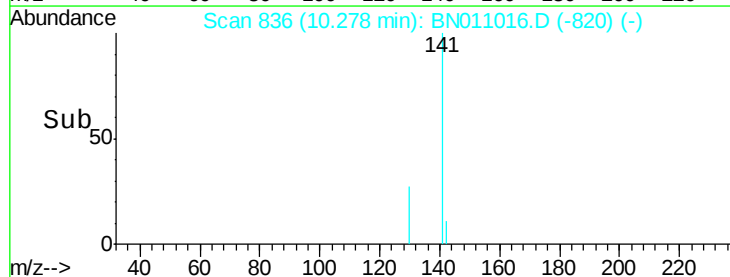
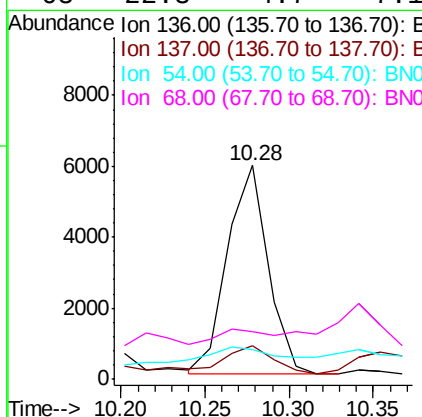
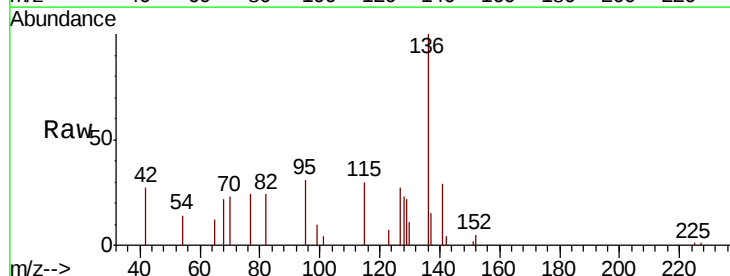
Tot Ion: 93 Resp: 14656
Ion Ratio Lower Upper
93 100
63 43.9 49.4 74.2#
95 28.3 26.7 40.1

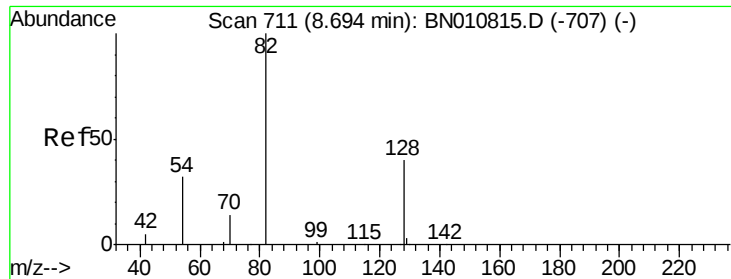


#7

Naphthalene-d8
Concen: 0.400 ng
RT: 10.28 min Scan# 836
Delta R.T. -0.00 min
Lab File: BN011016.D
Acq: 22 Jun 2020 19:15

Tgt Ion: 136 Resp: 9822
Ion Ratio Lower Upper
136 100
137 15.4 9.7 14.5#
54 13.7 4.9 7.3#
68 22.3 4.7 7.1#

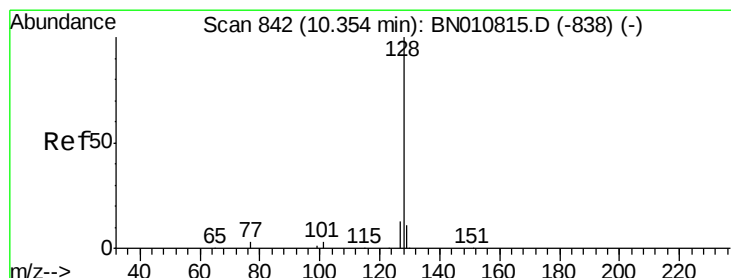
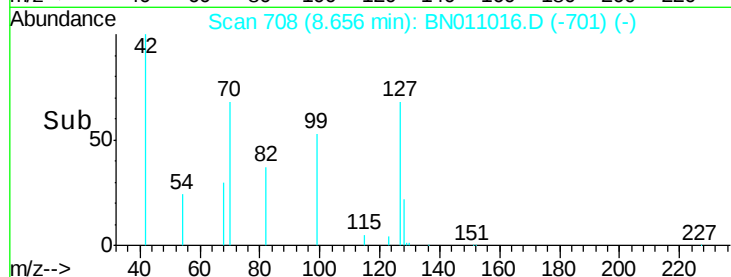
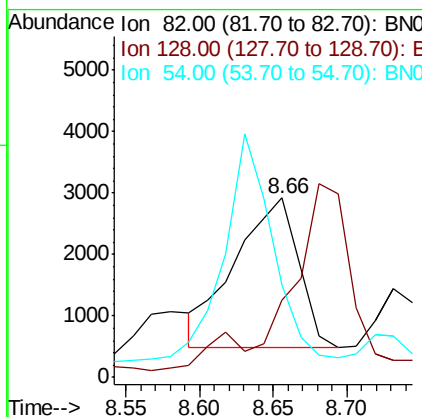
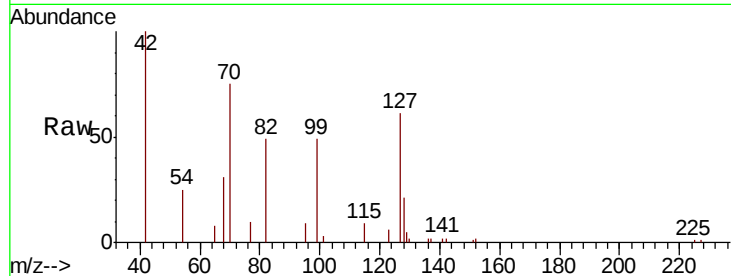




#8
 Nitrobenzene-d5
 Concen: 1.002 ng
 RT: 8.66 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: BN011016.D
 Acq: 22 Jun 2020 19:15

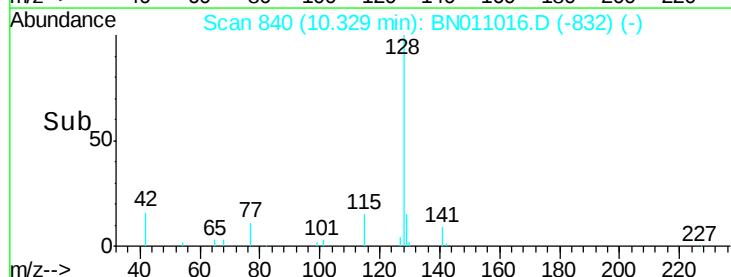
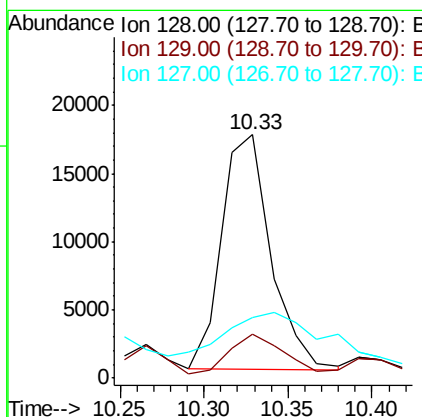
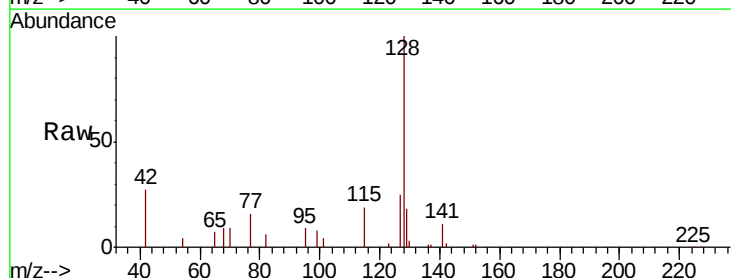
Instrument :
 BNA_N
 ClientSampleId :
 SS043MW009-200616

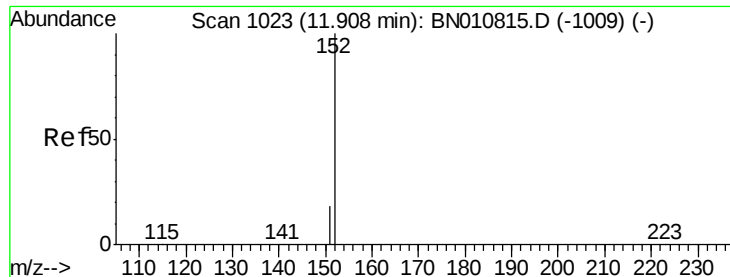
Tot Ion: 82 Resp: 7282
 Ion Ratio Lower Upper
 82 100
 128 42.9 35.4 53.0
 54 51.6 28.2 42.4#



#9
 Naphthalene
 Concen: 1.423 ng
 RT: 10.33 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BN011016.D
 Acq: 22 Jun 2020 19:15

Tgt Ion: 128 Resp: 35131
 Ion Ratio Lower Upper
 128 100
 129 18.0 9.6 14.4#
 127 24.9 11.4 17.2#

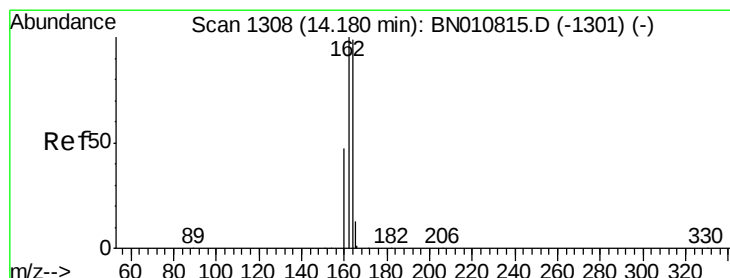
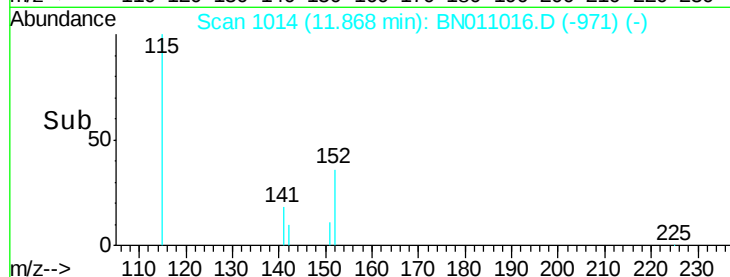
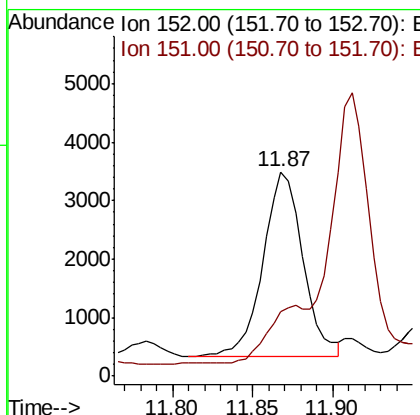
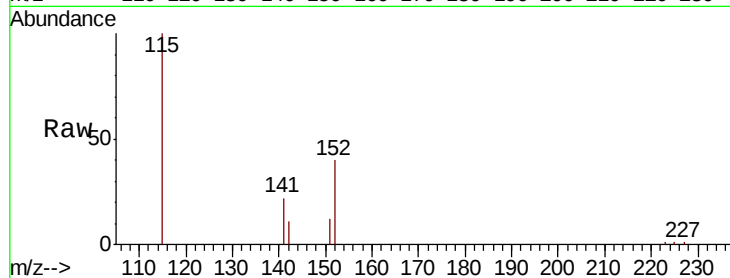




#11
2-Methylnaphthalene-d10
Concen: 0.360 ng
RT: 11.87 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BN011016.D
Acq: 22 Jun 2020 19:15

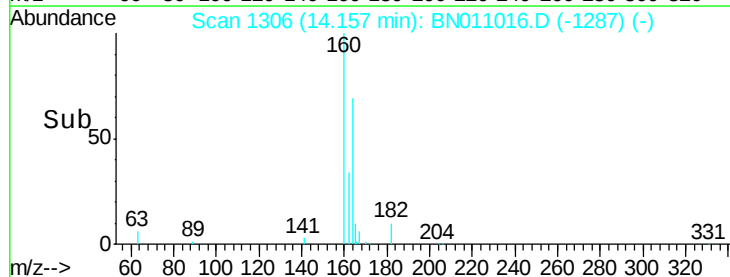
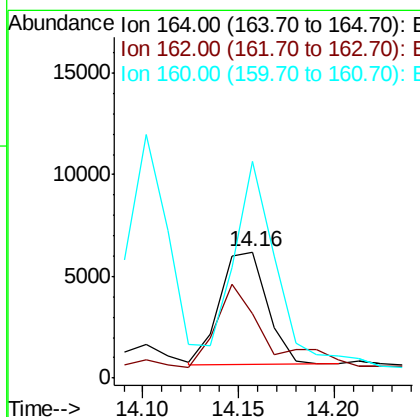
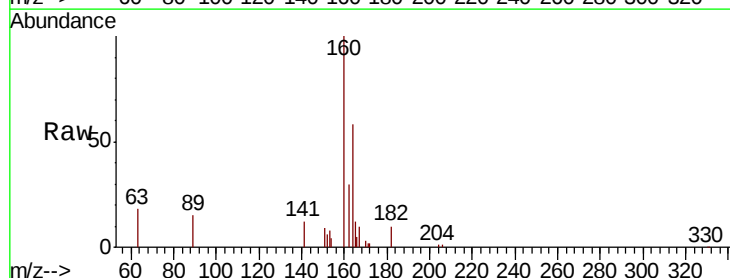
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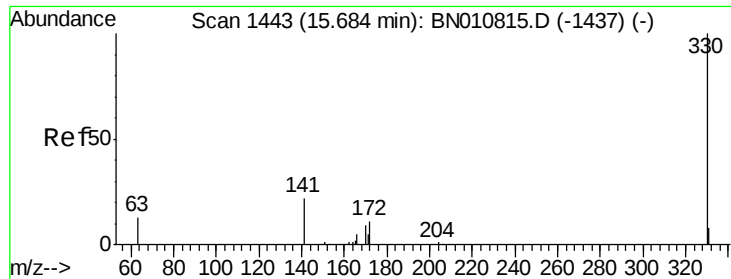
Tot Ion:152 Resp: 5486
Ion Ratio Lower Upper
152 100
151 27.3 15.3 22.9#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BN011016.D
Acq: 22 Jun 2020 19:15

Tgt Ion:164 Resp: 9623
Ion Ratio Lower Upper
164 100
162 50.7 81.0 121.6#
160 171.5 38.9 58.3#

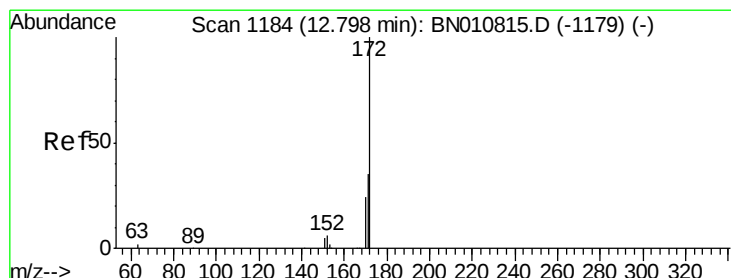
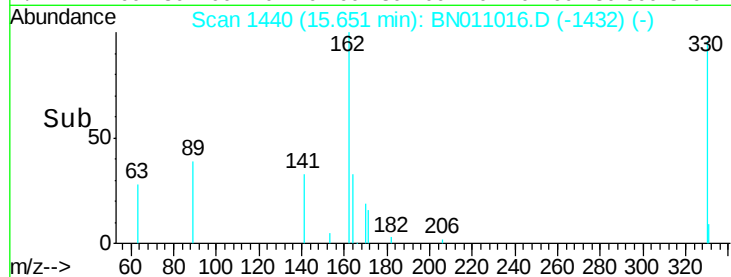
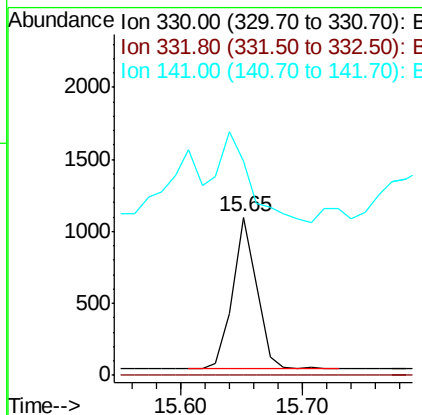
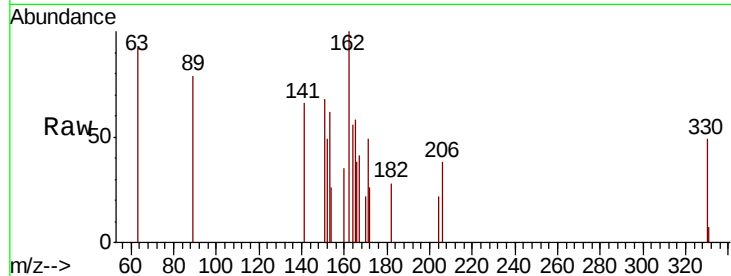




#14
 2,4,6-Tribromophenol
 Concen: 0.420 ng
 RT: 15.65 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BN011016.D
 Acq: 22 Jun 2020 19:15

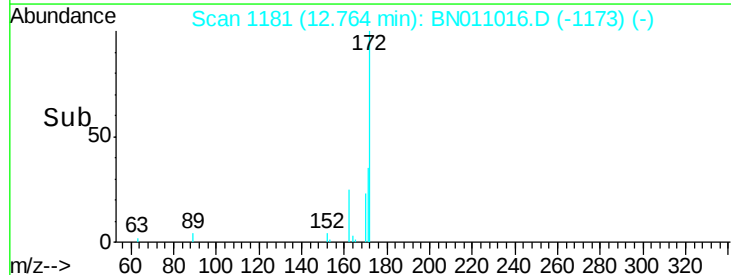
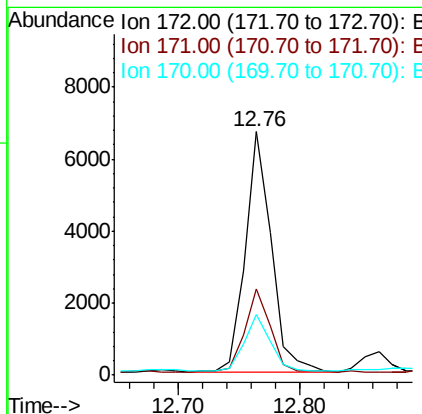
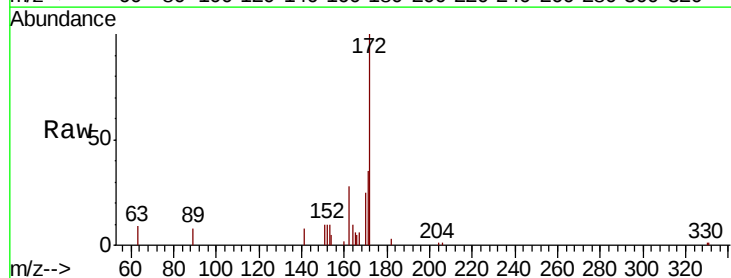
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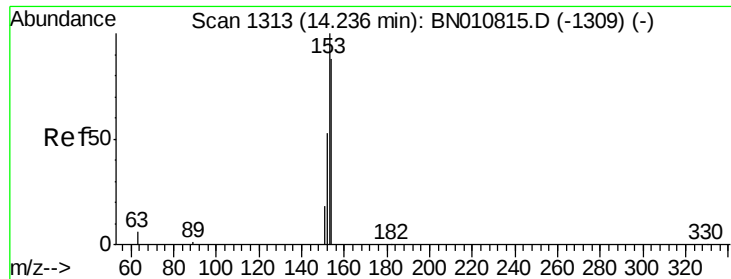
Tot Ion:330 Resp: 1444
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 78.6 33.2 49.8#



#15
 2-Fluorobiphenyl
 Concen: 0.263 ng
 RT: 12.76 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BN011016.D
 Acq: 22 Jun 2020 19:15

Tgt Ion:172 Resp: 9979
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.5 42.7
 170 24.7 19.7 29.5





#17

Acenaphthene

Concen: 0.068 ng

RT: 14.21 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

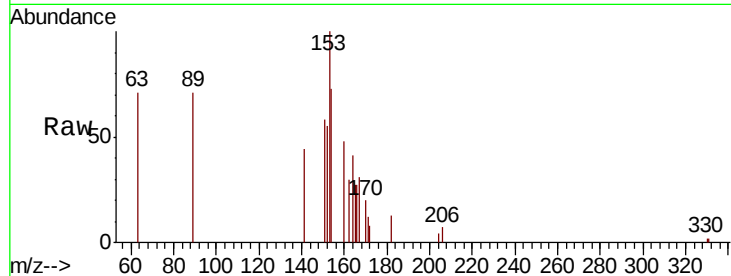
Tot Ion:154 Resp: 1819

Ion Ratio Lower Upper

154 100

153 140.7 91.8 137.6#

152 68.8 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

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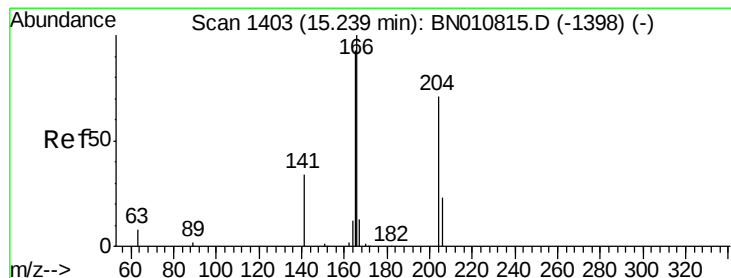
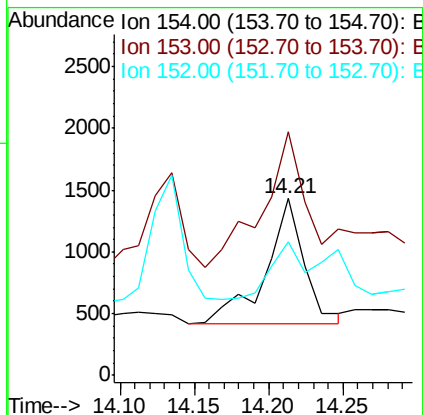
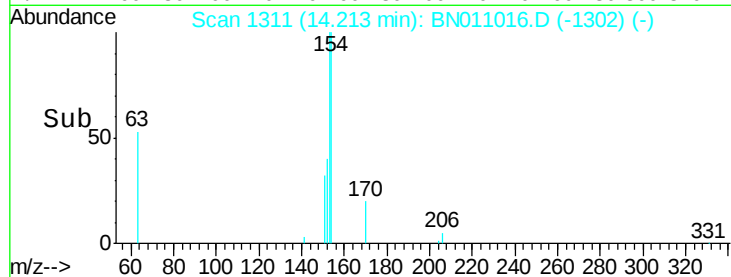
14.21

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#18

Fluorene

Concen: 0.151 ng

RT: 15.21 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

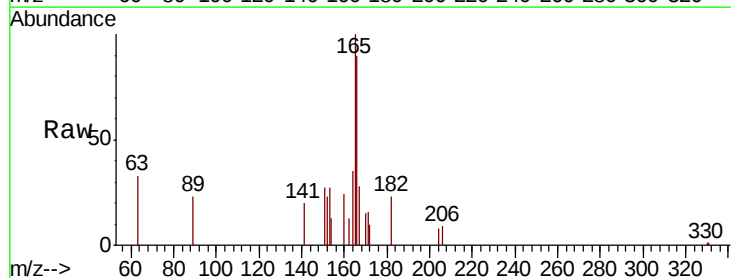
Tgt Ion:166 Resp: 5240

Ion Ratio Lower Upper

166 100

165 107.6 77.2 115.8

167 15.4 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

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15.21

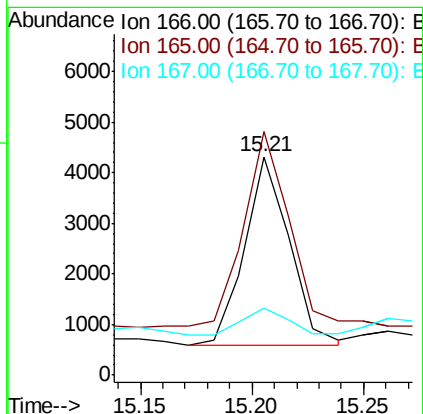
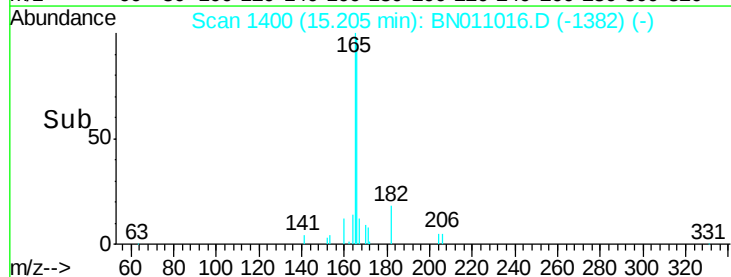
15.21

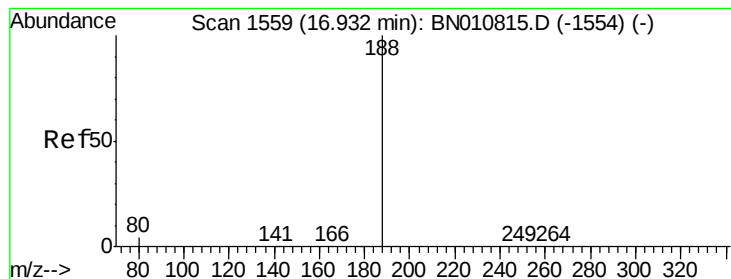
15.21

15.21

15.21

15.21





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

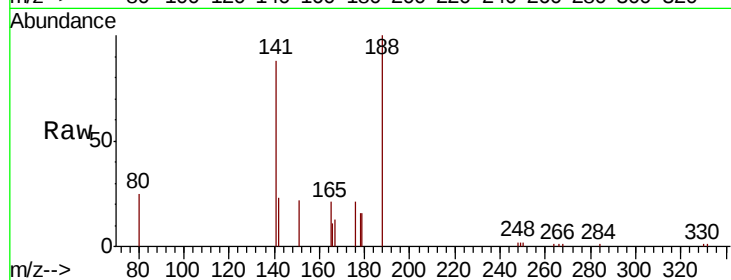
Tot Ion:188 Resp: 11842

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 24.5 4.5 6.7#

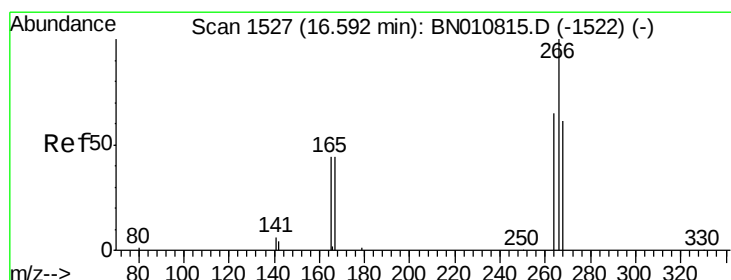
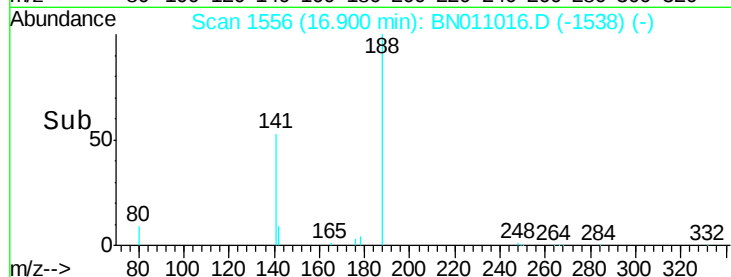


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNA_N

Ion 80.00 (79.70 to 80.70): BNA_N

Time--> 16.80 16.85 16.90 16.95



#22

Pentachlorophenol

Concen: 0.045 ng

RT: 16.56 min Scan# 1524

Delta R.T. -0.01 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

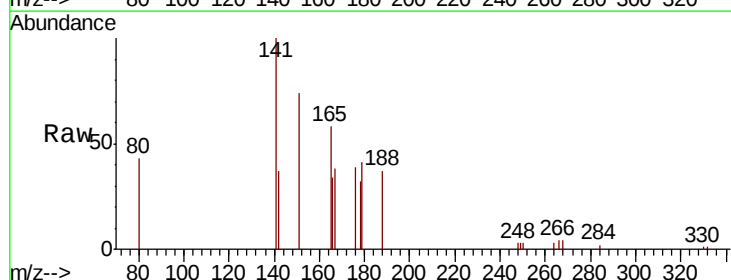
Tgt Ion:266 Resp: 112

Ion Ratio Lower Upper

266 100

264 66.7 54.8 82.2

268 87.7 55.9 83.9#

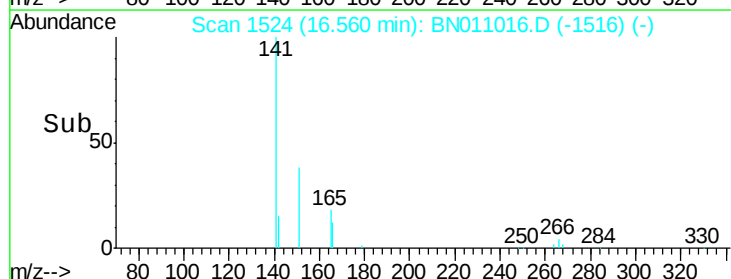


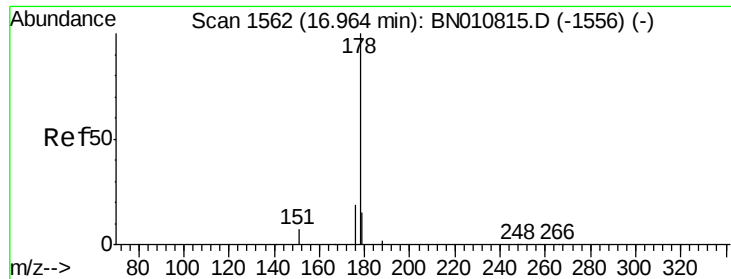
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Time--> 16.50 16.55 16.60





#23

Phenanthrene

Concen: 0.098 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

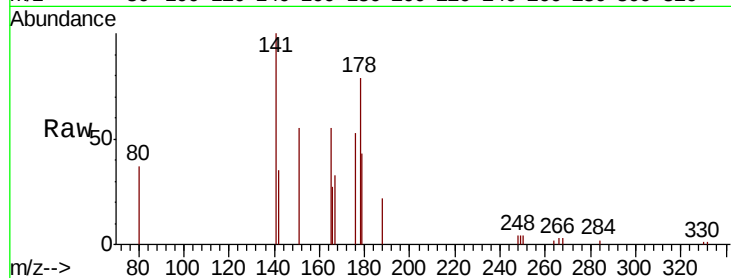
Tot Ion:178 Resp: 3160

Ion Ratio Lower Upper

178 100

176 0.0 15.3 22.9#

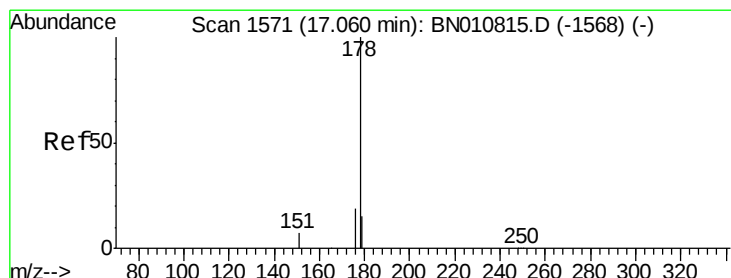
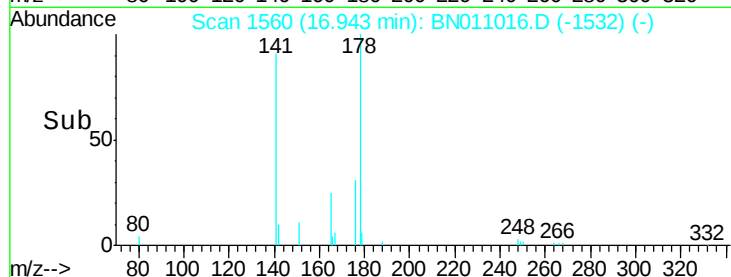
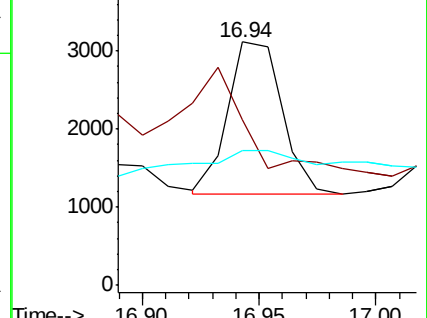
179 50.4 12.6 19.0#



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



#24

Anthracene

Concen: 0.061 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

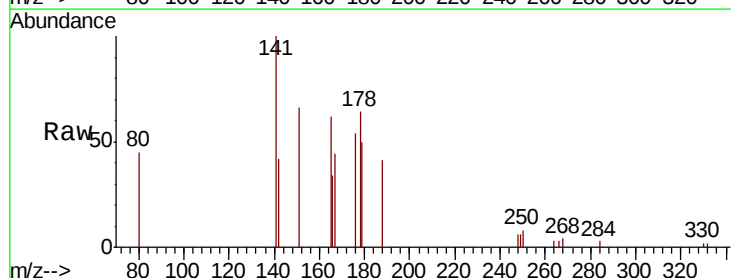
Tgt Ion:178 Resp: 1652

Ion Ratio Lower Upper

178 100

176 90.0 14.6 22.0#

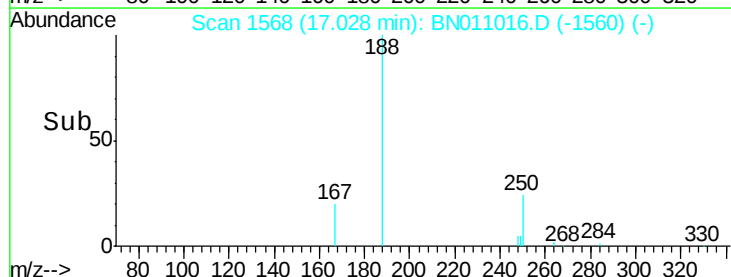
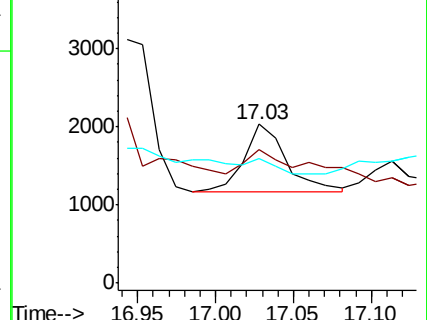
179 0.0 12.3 18.5#

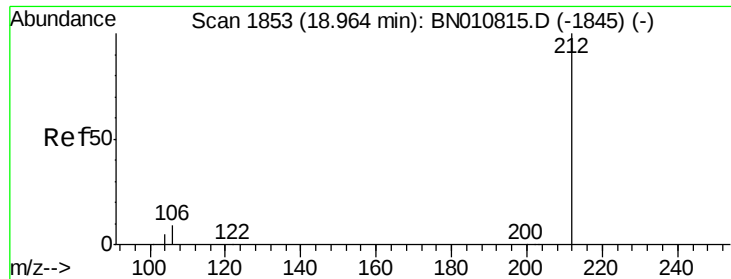


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.407 ng

RT: 18.94 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

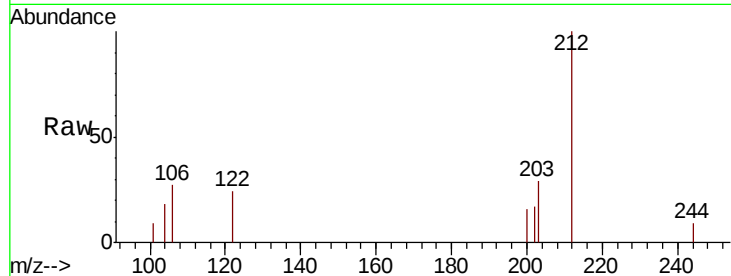
Tot Ion:212 Resp: 13312

Ion Ratio Lower Upper

212 100

106 10.8 6.6 10.0#

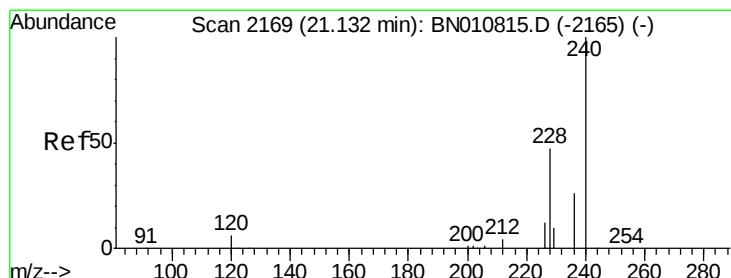
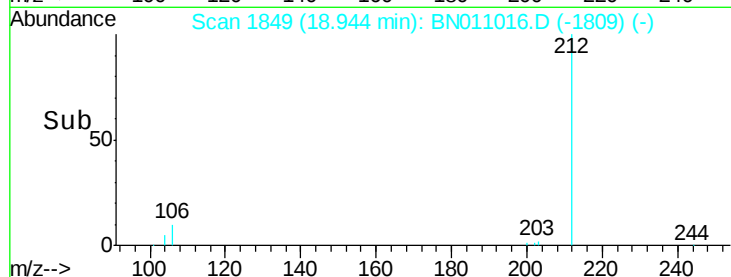
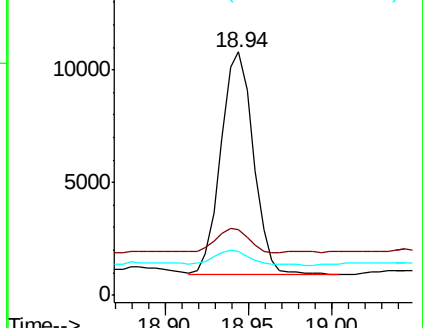
104 7.1 4.0 6.0#



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: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

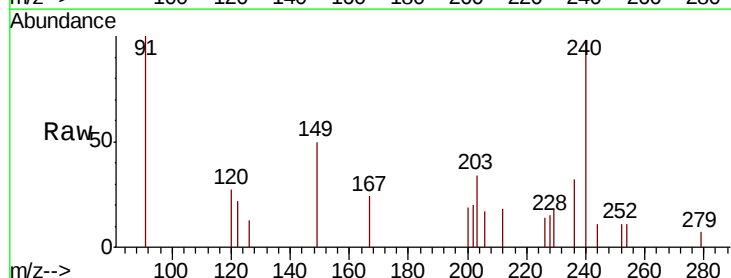
Tgt Ion:240 Resp: 14232

Ion Ratio Lower Upper

240 100

120 27.2 7.5 11.3#

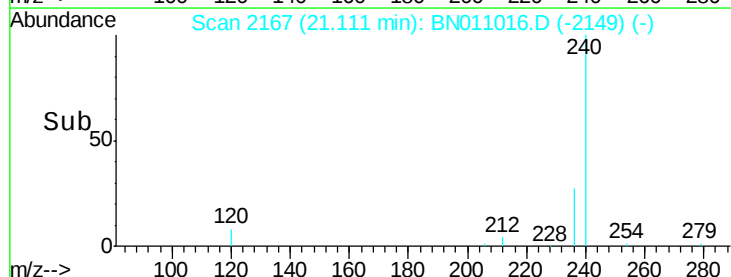
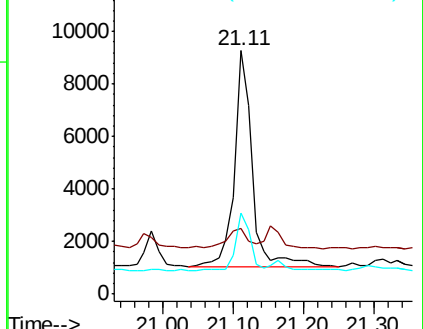
236 33.1 22.3 33.5

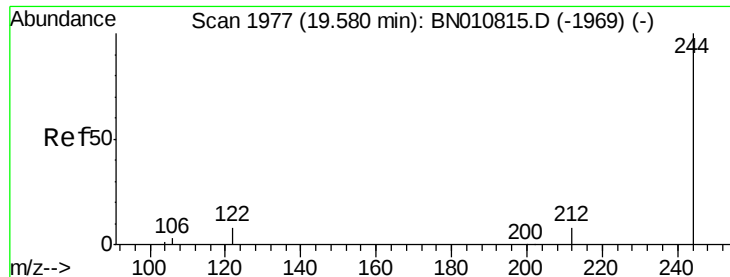


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.484 ng

RT: 19.56 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

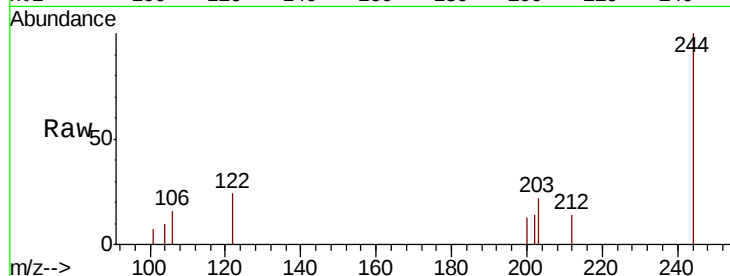
Tot Ion:244 Resp: 16119

Ion Ratio Lower Upper

244 100

212 13.8 7.4 11.2#

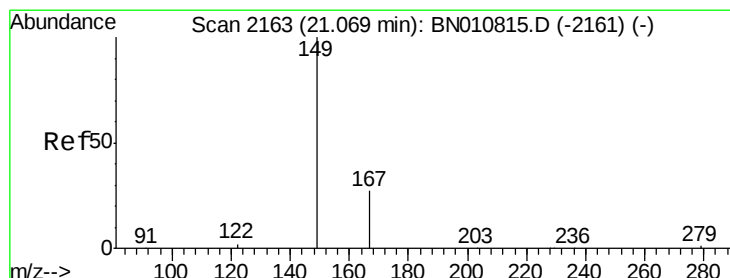
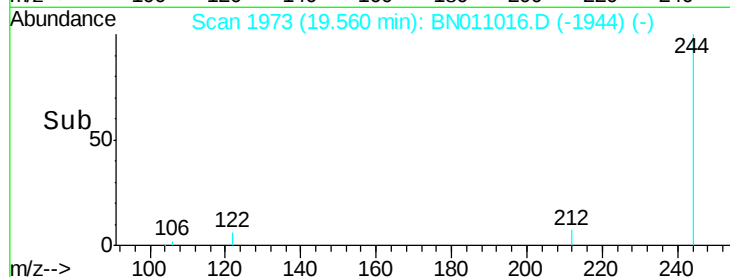
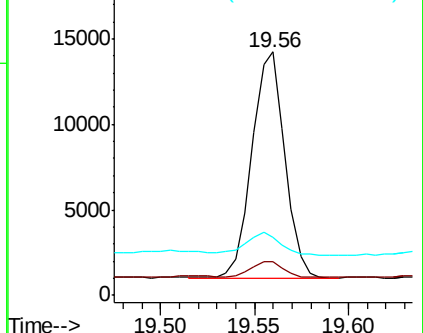
122 24.0 7.5 11.3#



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: 0.142 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

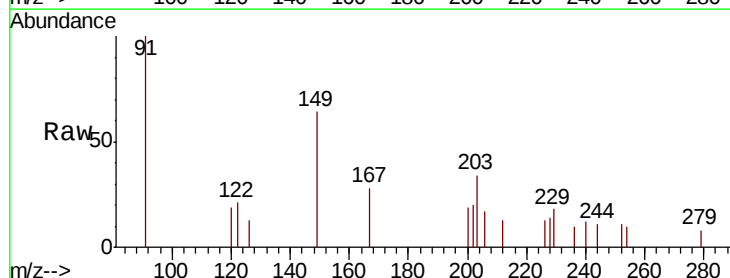
Tgt Ion:149 Resp: 1976

Ion Ratio Lower Upper

149 100

167 24.4 24.1 36.1

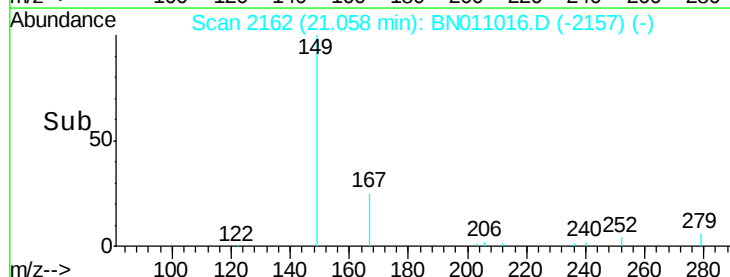
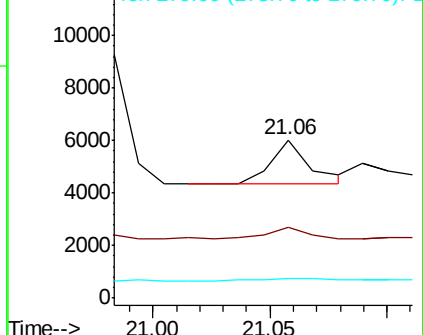
279 10.9 4.6 7.0#

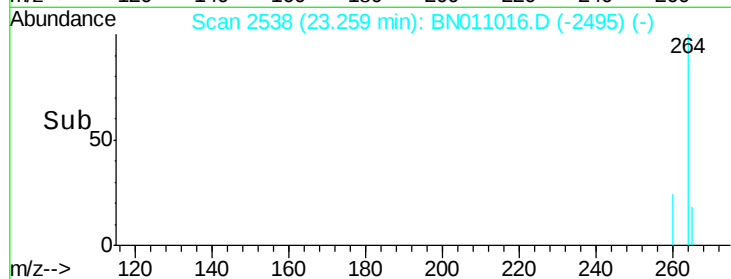
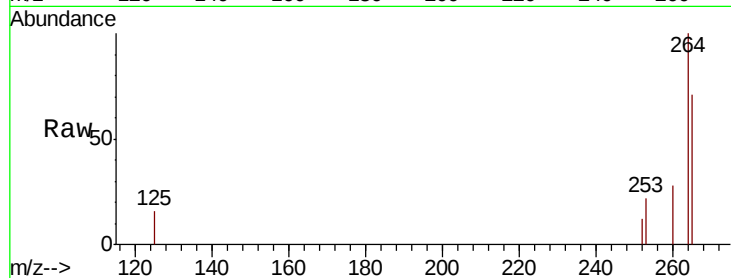
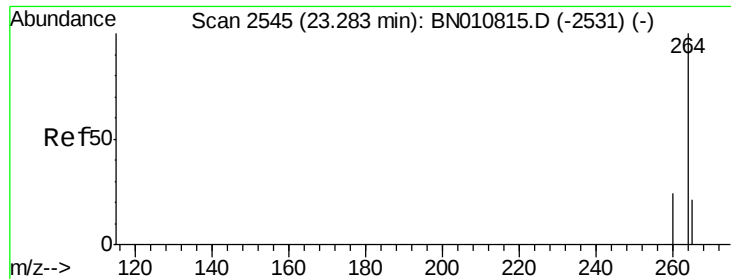


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.26 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN011016.D

Acq: 22 Jun 2020 19:15

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

Tot Ion:264 Resp: 12134

Ion Ratio Lower Upper

264 100

260 28.1 20.4 30.6

265 71.2 75.0 112.4#

