

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091319\
 Data File : BN007638.D
 Acq On : 13 Sep 2019 21:48
 Operator : HP/JU
 Sample : K4836-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-2

Quant Time: Sep 14 03:02:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:27:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	9229	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	35560	0.40	ng	-0.01
13) Acenaphthene-d10	14.34	164	24136	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	42016	0.40	ng	0.00
27) Chrysene-d12	21.27	240	41580	0.40	ng	-0.01
34) Perylene-d12	23.49	264	42896	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.33	112	6770	0.23	ng	0.00
5) Phenol-d6	6.89	99	7921	0.22	ng	0.00
8) Nitrobenzene-d5	8.85	82	14742	0.52	ng	-0.01
11) 2-Methylnaphthalene-d10	12.08	152	27341	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	3833	0.42	ng	0.00
15) 2-Fluorobiphenyl	12.97	172	38701	0.37	ng	0.00
25) Fluoranthene-d10	19.11	212	65759	0.50	ng	-0.01
29) Terphenyl-d14	19.72	244	78358	0.71	ng	0.00

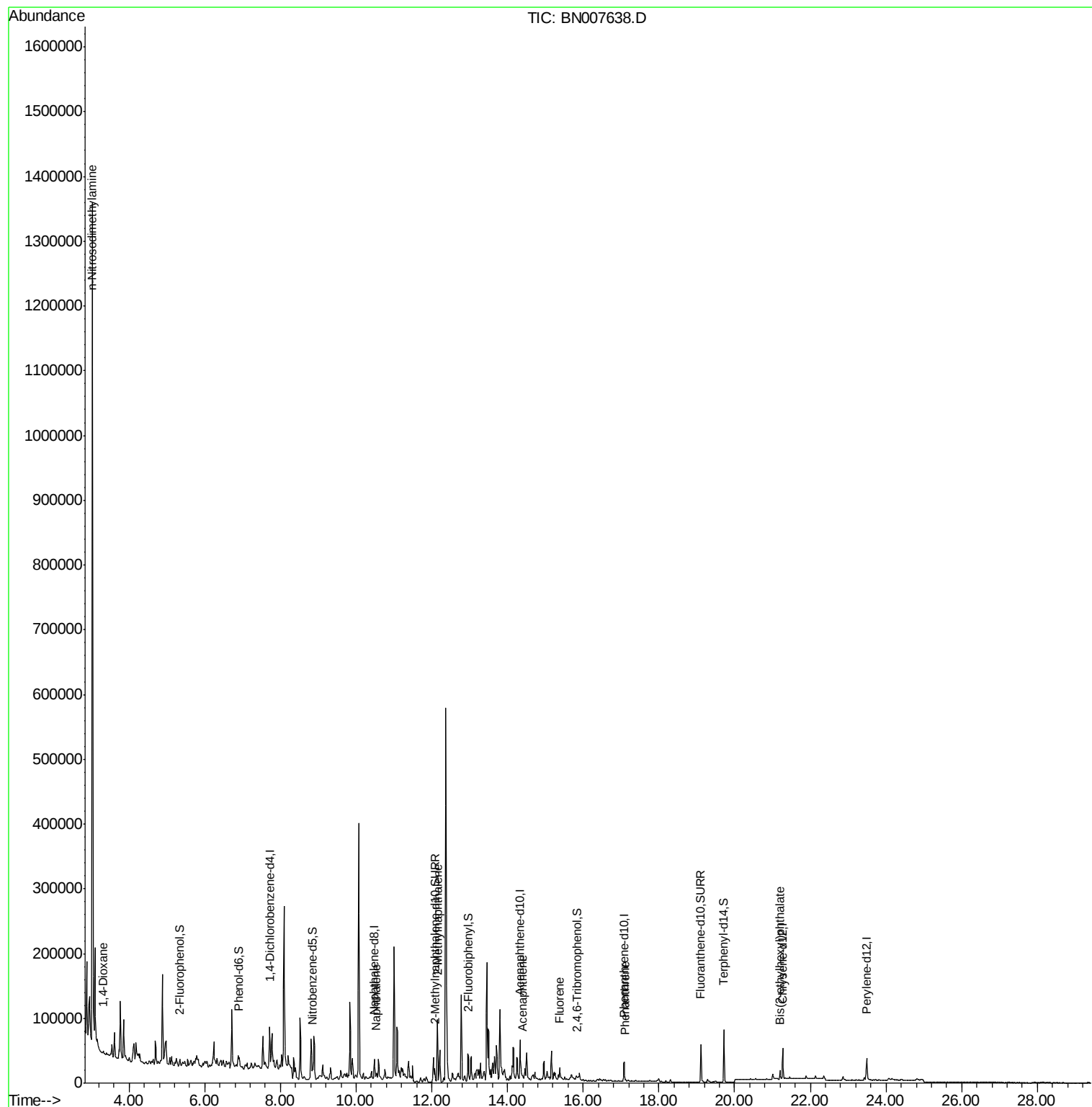
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	521	0.047	ng	# 1
3) n-Nitrosodimethylamine	3.03	42	101760	20.279	ng	# 1
9) Naphthalene	10.53	128	2991	0.029	ng	# 47
12) 2-Methylnaphthalene	12.15	142	67775	0.990	ng	97
17) Acenaphthene	14.40	154	2047	0.025	ng	# 52
18) Fluorene	15.38	166	9378	0.091	ng	# 95
23) Phenanthrene	17.11	178	2865	0.022	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.21	149	11722	0.235	ng	99

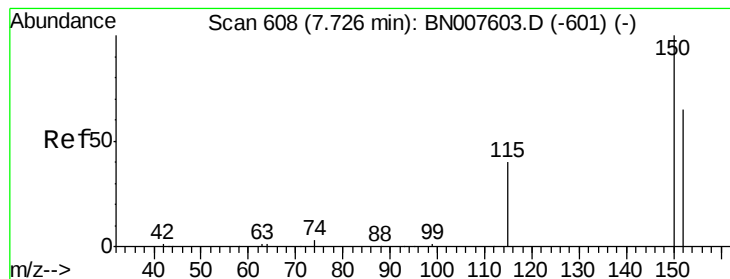
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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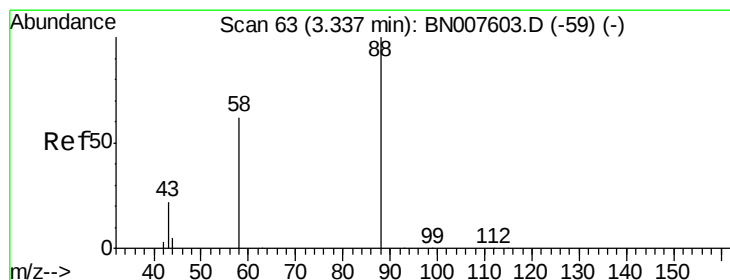
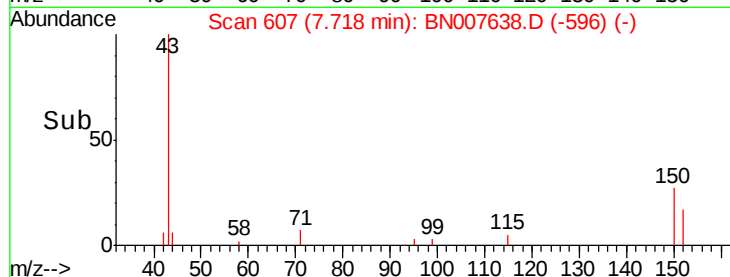
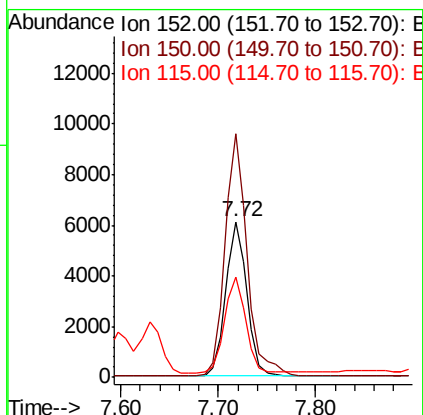
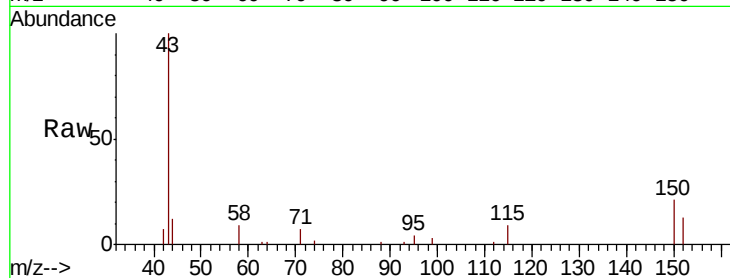


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 607
Delta R.T. -0.01 min
Lab File: BN007638.D
Acq: 13 Sep 2019 21:48

Instrument :
BNA_N
ClientSampleId :
MW-2

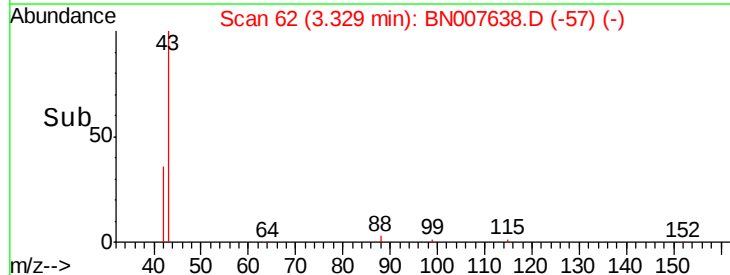
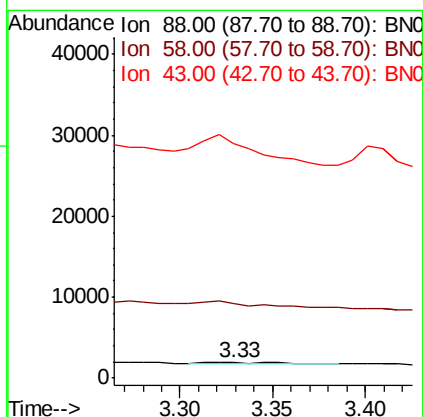
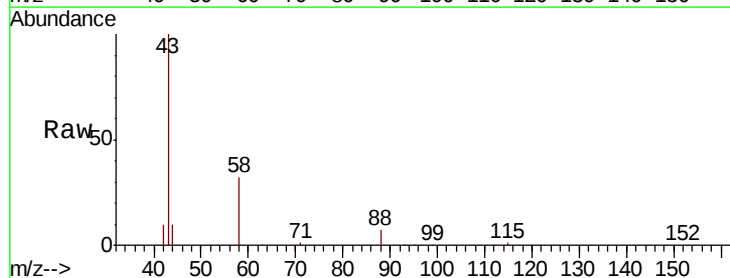
Tot Ion:152 Resp: 9229
Ion Ratio Lower Upper
152 100
150 156.4 122.4 183.6
115 64.4 50.4 75.6

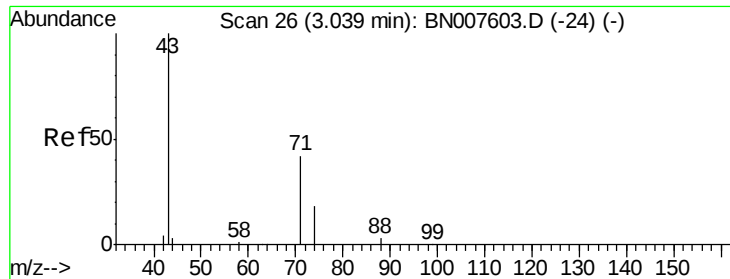


#2

1,4-Dioxane
Concen: 0.047 ng
RT: 3.33 min Scan# 62
Delta R.T. -0.01 min
Lab File: BN007638.D
Acq: 13 Sep 2019 21:48

Tgt Ion: 88 Resp: 521
Ion Ratio Lower Upper
88 100
58 304.6 57.0 85.4#
43 1581.0 20.0 30.0#





#3

n-Nitrosodimethylamine

Concen: 20.279 ng

RT: 3.03 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

Instrument :

BNA_N

ClientSampled :

MW-2

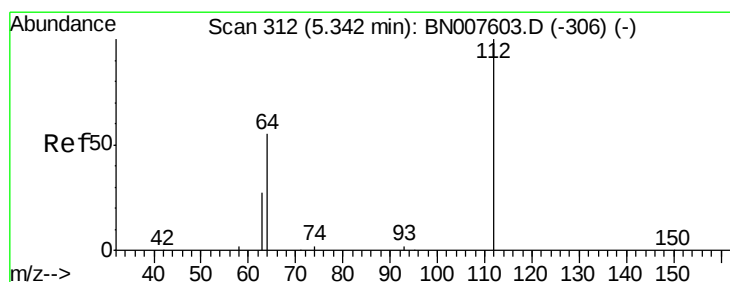
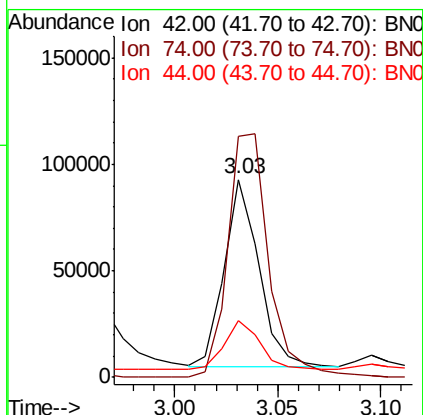
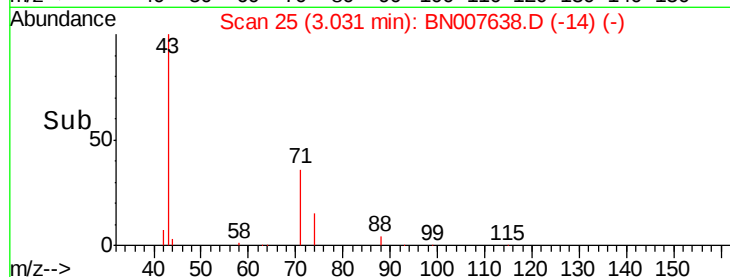
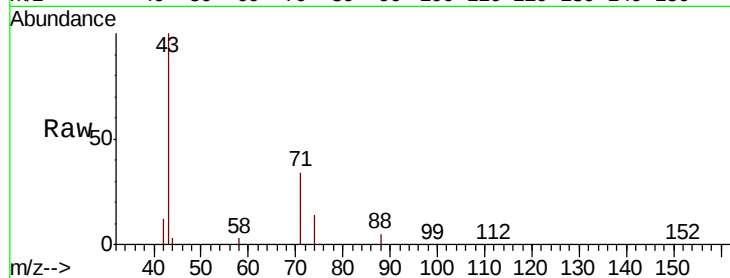
Tot Ion: 42 Resp: 101760

Ion Ratio Lower Upper

42 100

74 154.5 9.8 14.8#

44 27.4 0.0 0.0#



#4

2-Fluorophenol

Concen: 0.229 ng

RT: 5.33 min Scan# 311

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

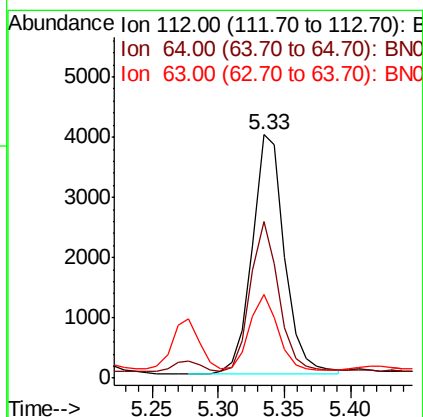
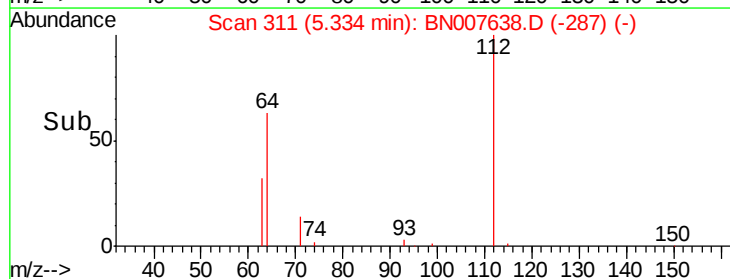
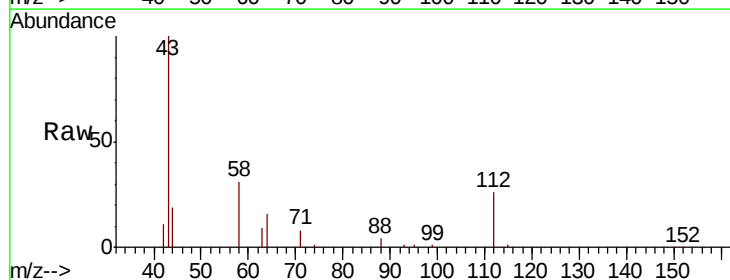
Tgt Ion: 112 Resp: 6770

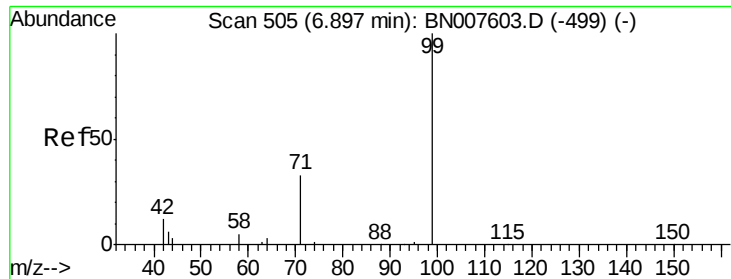
Ion Ratio Lower Upper

112 100

64 55.5 48.5 72.7

63 27.9 24.4 36.6





#5

Phenol-d6

Concen: 0.223 ng

RT: 6.89 min Scan# 504

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

Instrument :

BNA_N

ClientSampleId :

MW-2

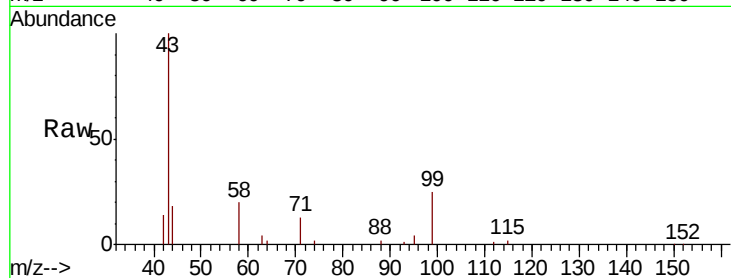
Tot Ion: 99 Resp: 7921

Ion Ratio Lower Upper

99 100

42 42.5 11.8 17.6#

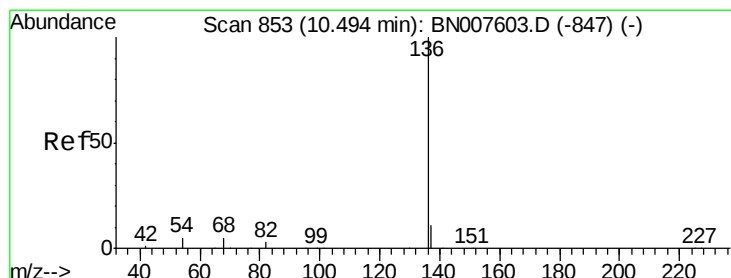
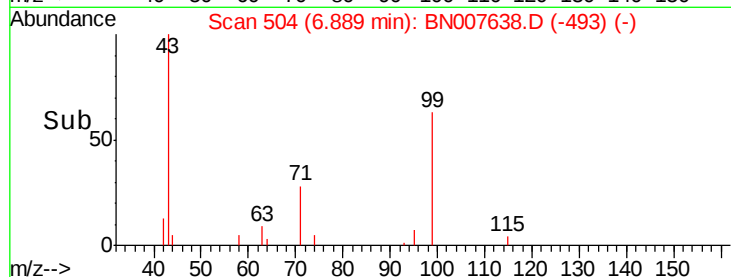
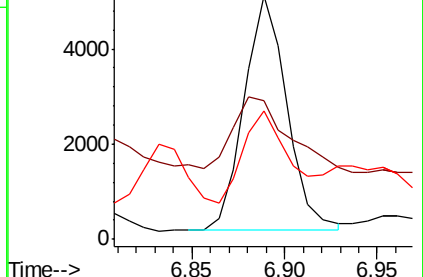
71 40.1 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BN007603.D (-499) (-)

Ion 42.00 (41.70 to 42.70): BN007603.D (-499) (-)

Ion 71.00 (70.70 to 71.70): BN007603.D (-499) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 852

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

Tgt Ion: 136 Resp: 35560

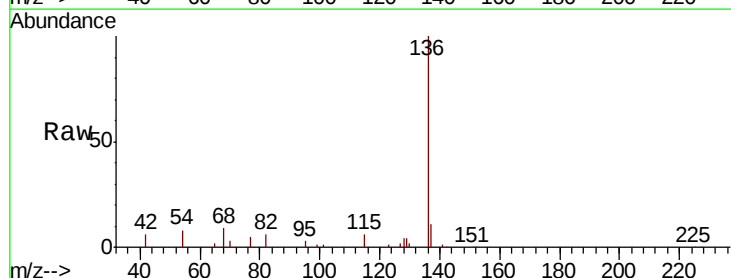
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 8.5 4.2 6.4#

68 9.2 4.6 7.0#

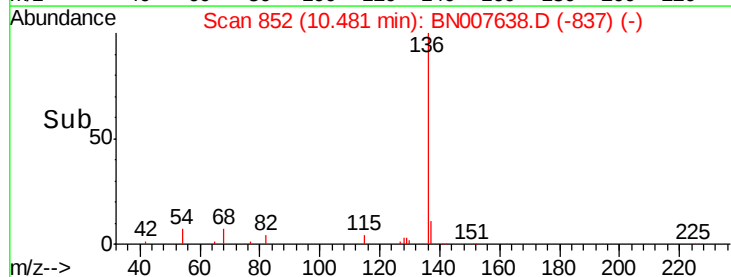
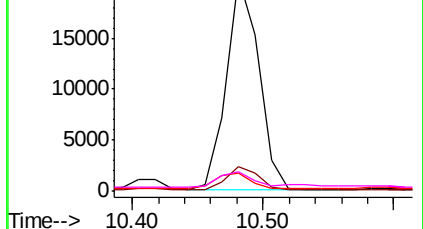


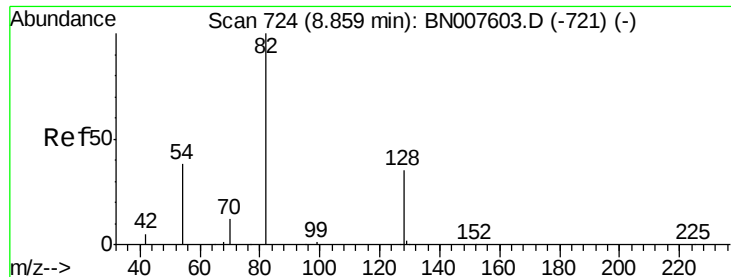
Abundance Ion 136.00 (135.70 to 136.70): BN007603.D (-847) (-)

Ion 137.00 (136.70 to 137.70): BN007603.D (-847) (-)

Ion 54.00 (53.70 to 54.70): BN007603.D (-847) (-)

Ion 68.00 (67.70 to 68.70): BN007603.D (-847) (-)





#8

Nitrobenzene-d5

Concen: 0.519 ng

RT: 8.85 min Scan# 723

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

Instrument :

BNA_N

ClientSampleId :

MW-2

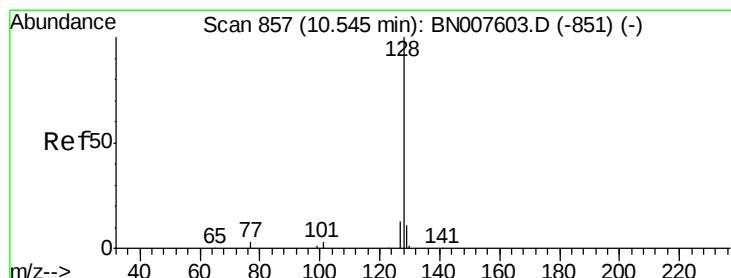
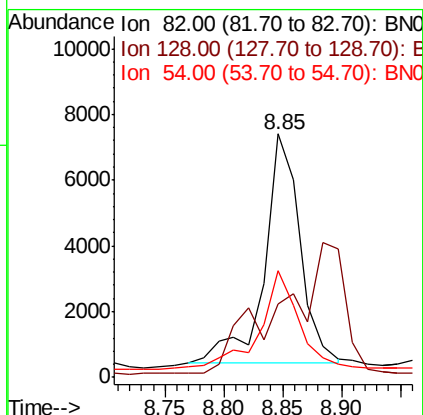
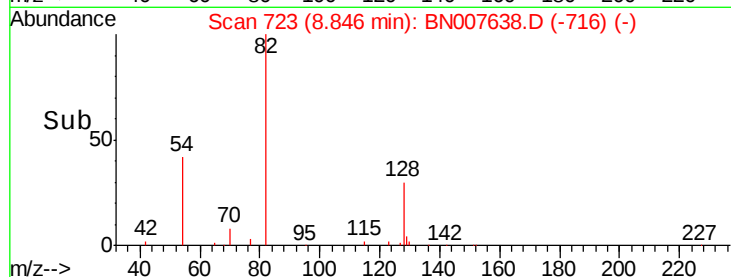
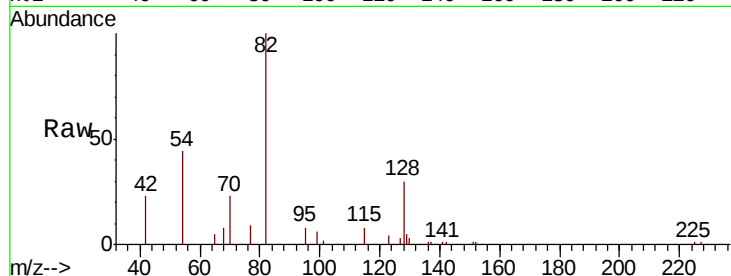
Tot Ion: 82 Resp: 14742

Ion Ratio Lower Upper

82 100

128 30.0 27.9 41.9

54 43.6 30.9 46.3



#9

Naphthalene

Concen: 0.029 ng

RT: 10.53 min Scan# 856

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

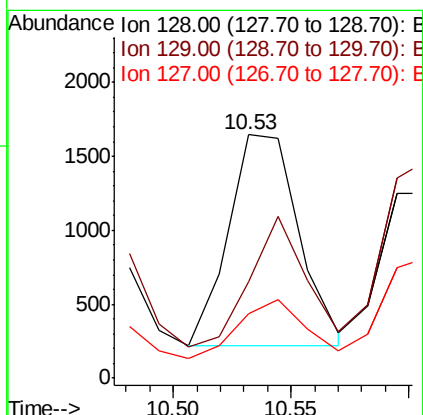
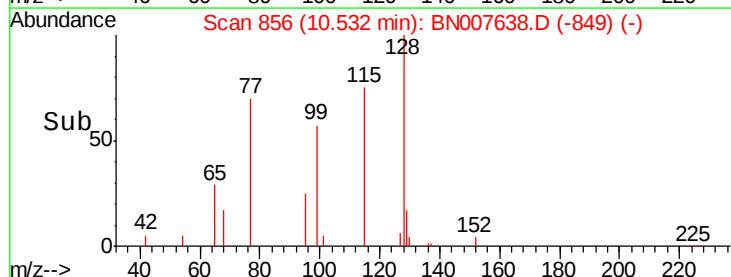
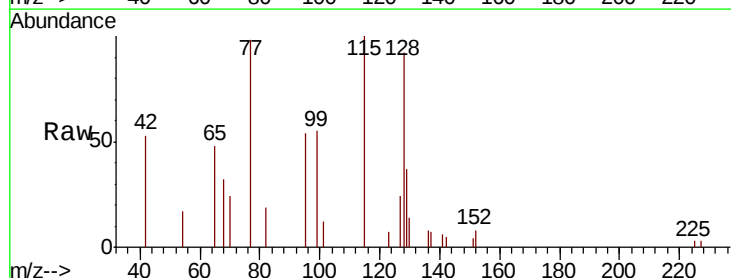
Tgt Ion: 128 Resp: 2991

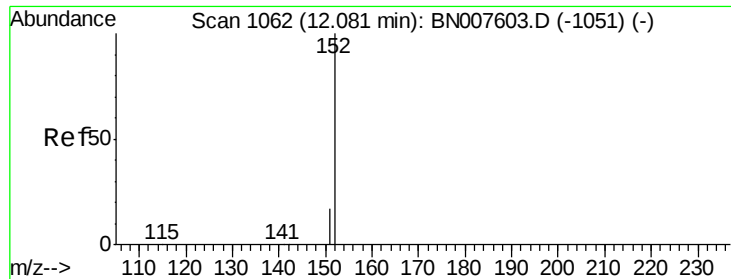
Ion Ratio Lower Upper

128 100

129 39.8 9.0 13.4#

127 26.5 10.4 15.6#

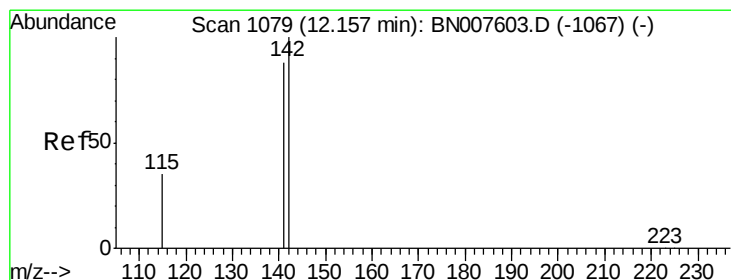
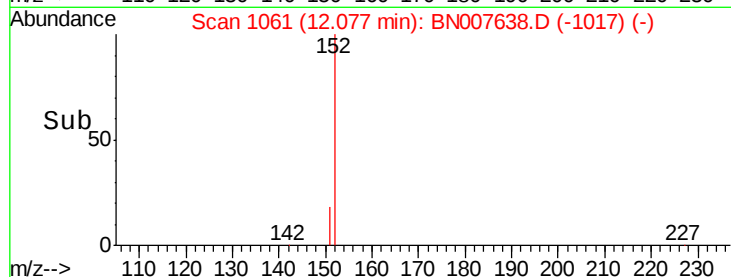
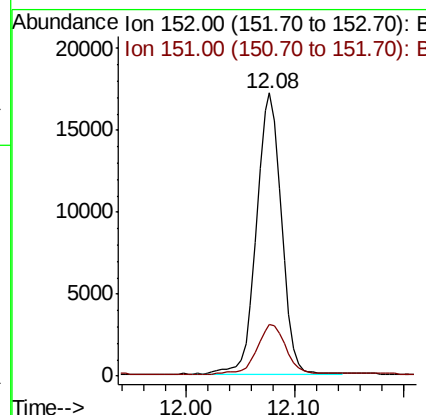
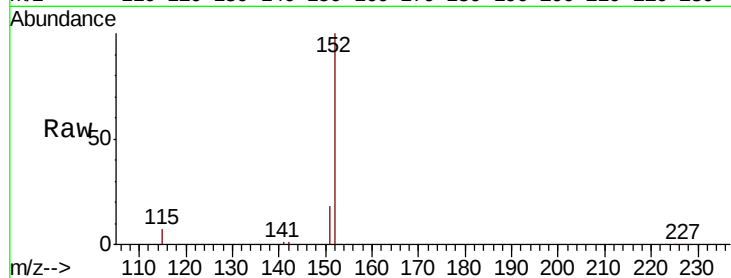




#11
 2-Methylnaphthalene-d10
 Concen: 0.454 ng
 RT: 12.08 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: BN007638.D
 Acq: 13 Sep 2019 21:48

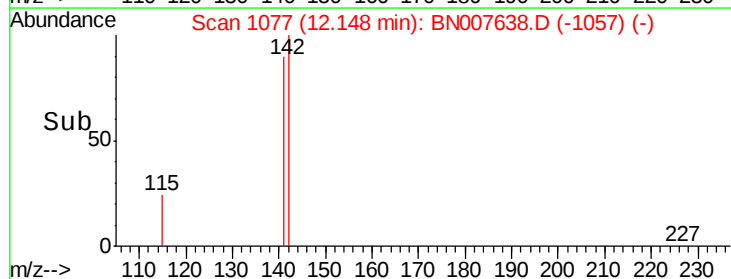
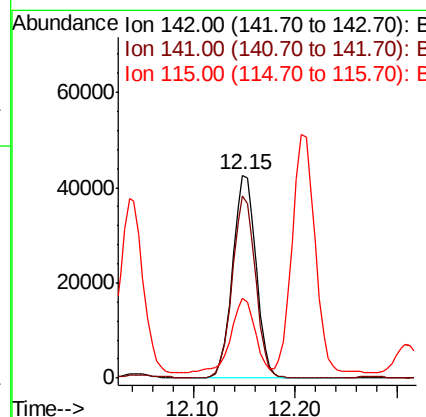
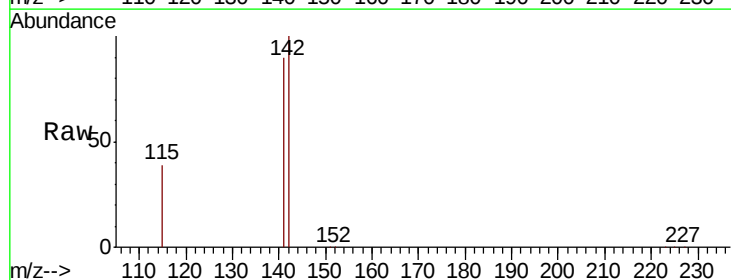
Instrument :
 BNA_N
 ClientSampleId :
 MW-2

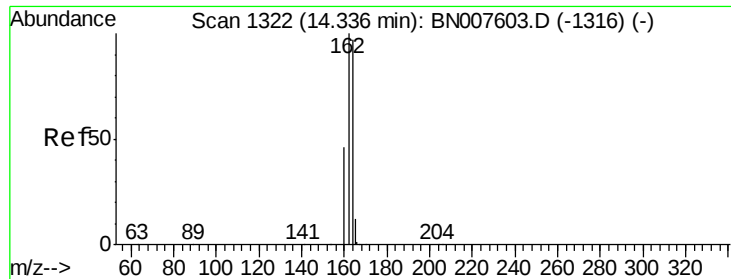
Tot Ion:152 Resp: 27341
 Ion Ratio Lower Upper
 152 100
 151 21.2 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.990 ng
 RT: 12.15 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BN007638.D
 Acq: 13 Sep 2019 21:48

Tgt Ion:142 Resp: 67775
 Ion Ratio Lower Upper
 142 100
 141 89.8 70.5 105.7
 115 39.4 28.4 42.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

Instrument :

BNA_N

ClientSampleId :

MW-2

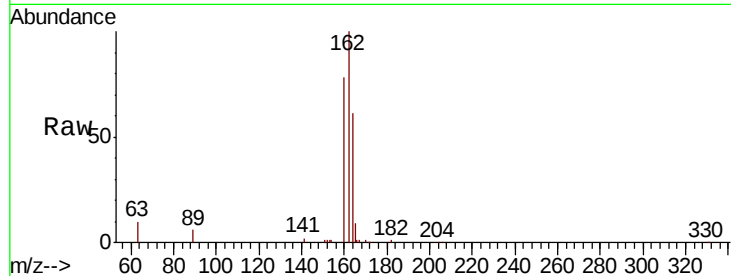
Tot Ion:164 Resp: 24136

Ion Ratio Lower Upper

164 100

162 163.4 82.8 124.2#

160 128.1 38.0 57.0#

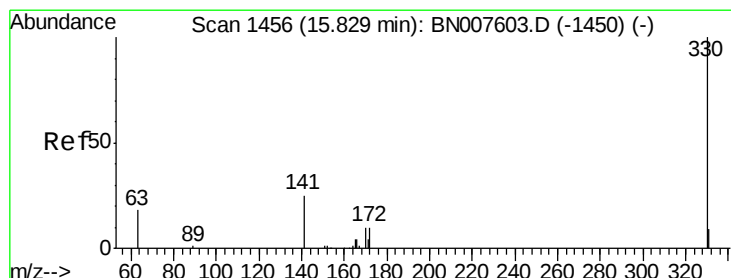
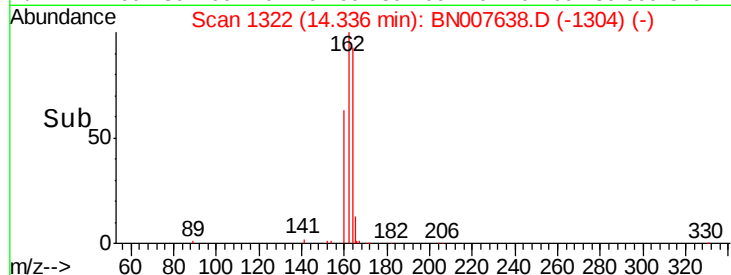
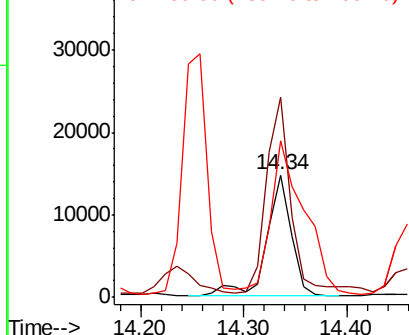


Abundance

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: 0.420 ng

RT: 15.83 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

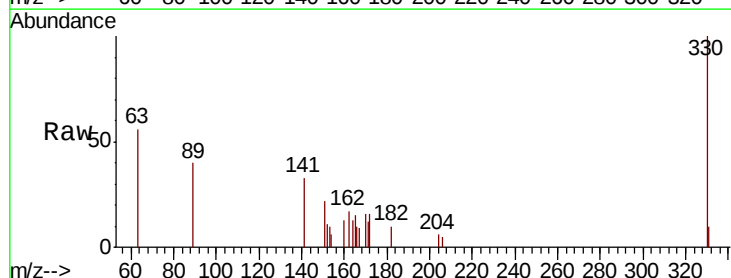
Tgt Ion:330 Resp: 3833

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 45.5 30.1 45.1#

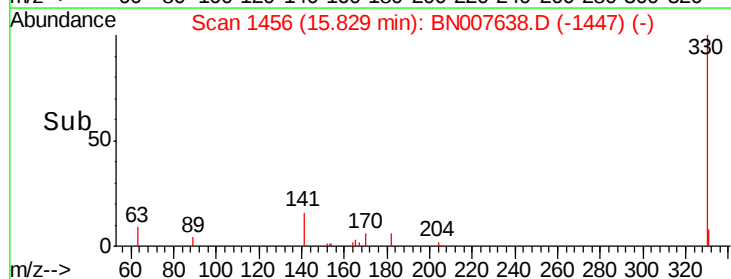
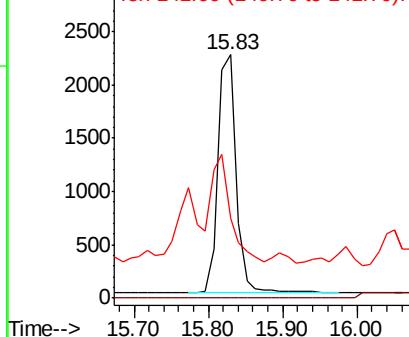


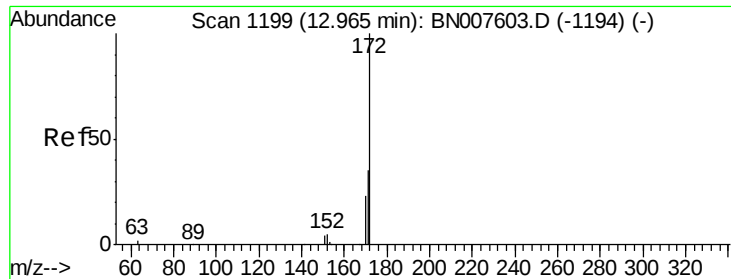
Abundance

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

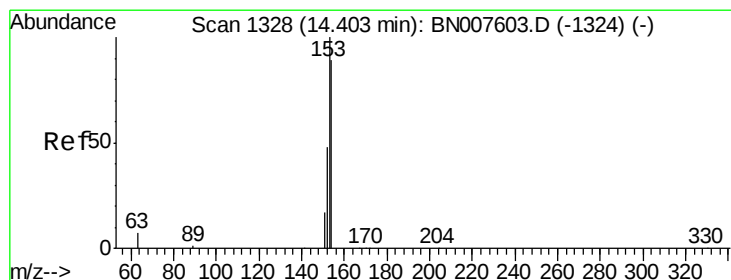
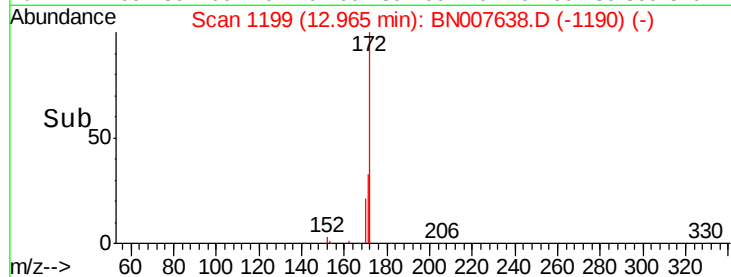
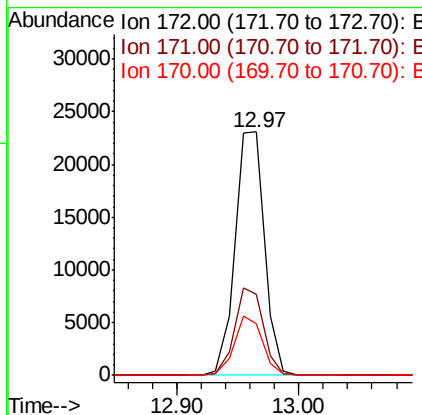
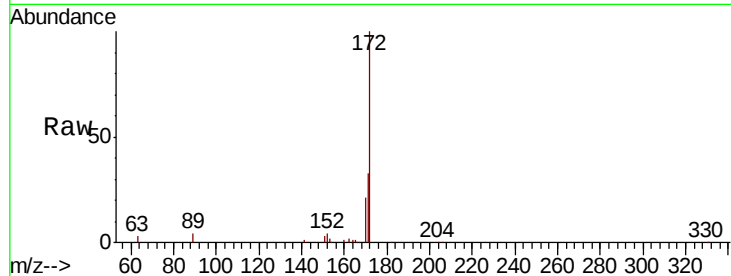




#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 12.97 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BN007638.D
Acq: 13 Sep 2019 21:48

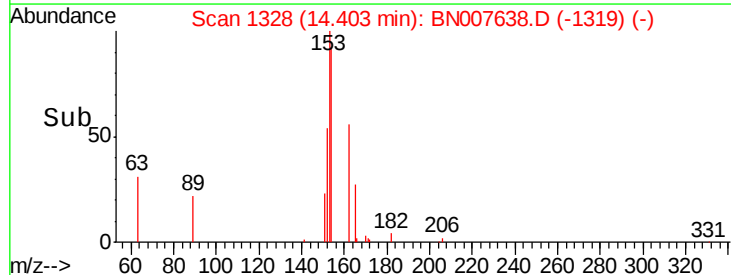
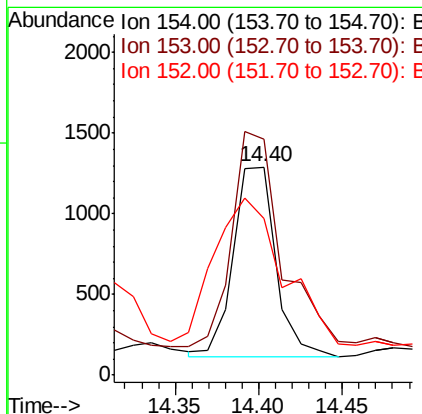
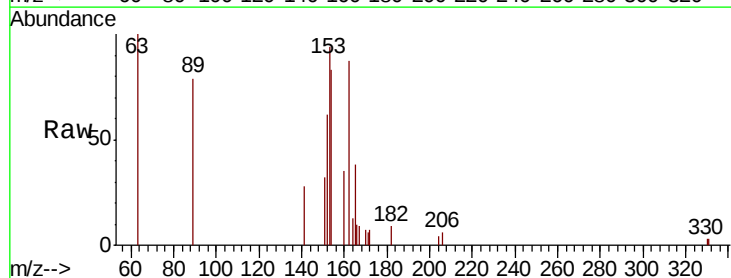
Instrument :
BNA_N
ClientSampleId :
MW-2

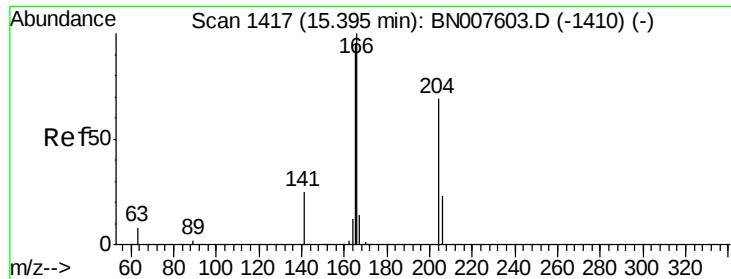
Tot Ion:172 Resp: 38701
Ion Ratio Lower Upper
172 100
171 33.5 27.9 41.9
170 21.3 18.5 27.7



#17
Acenaphthene
Concen: 0.025 ng
RT: 14.40 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BN007638.D
Acq: 13 Sep 2019 21:48

Tgt Ion:154 Resp: 2047
Ion Ratio Lower Upper
154 100
153 135.4 89.8 134.8#
152 129.5 43.8 65.8#





#18

Fluorene

Concen: 0.091 ng

RT: 15.38 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

Instrument :

BNA_N

ClientSampleId :

MW-2

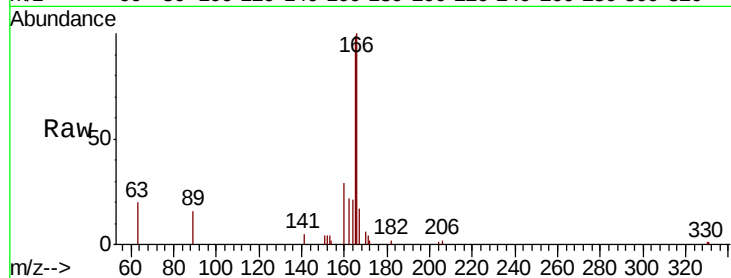
Tot Ion:166 Resp: 9378

Ion Ratio Lower Upper

166 100

165 96.2 77.8 116.6

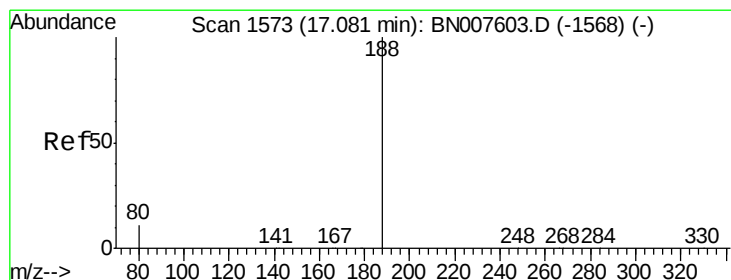
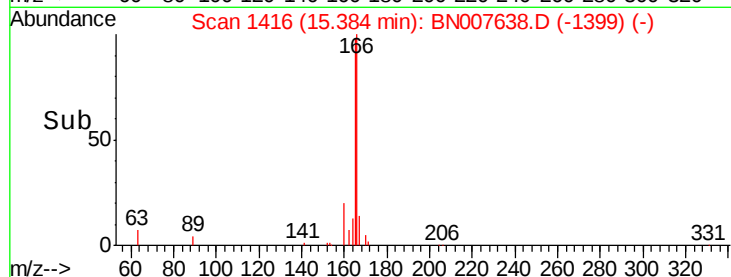
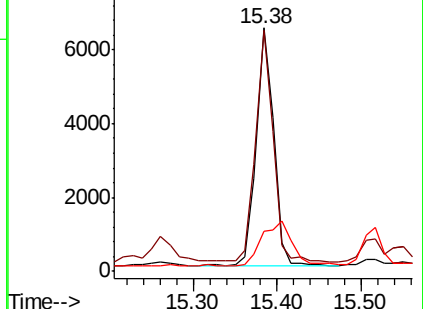
167 0.0 10.8 16.2#



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

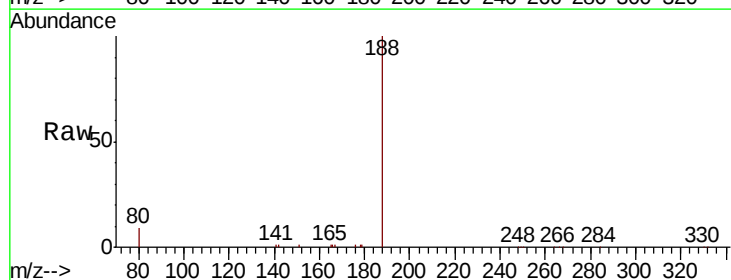
Tgt Ion:188 Resp: 42016

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

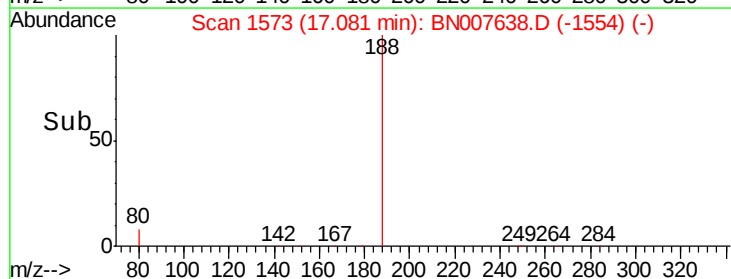
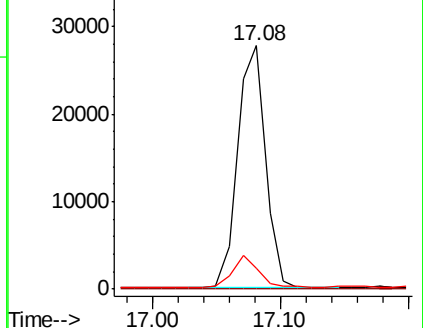
80 8.7 8.8 13.2#

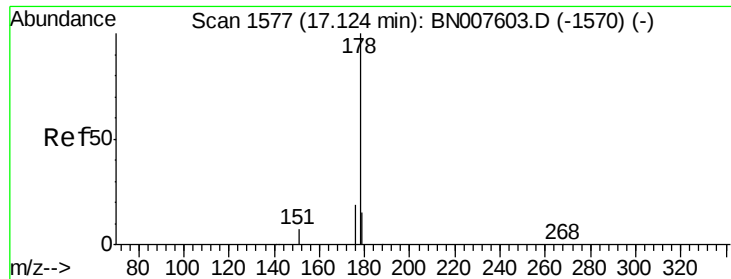


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.022 ng

RT: 17.11 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

Instrument :

BNA_N

ClientSampled :

MW-2

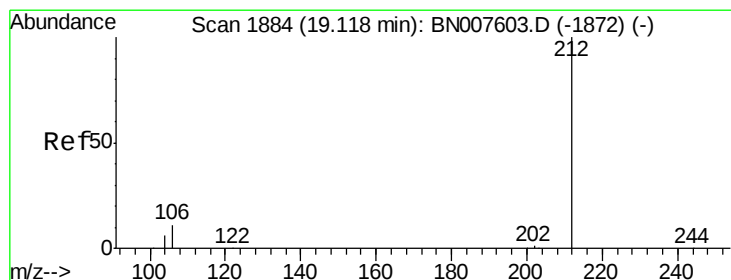
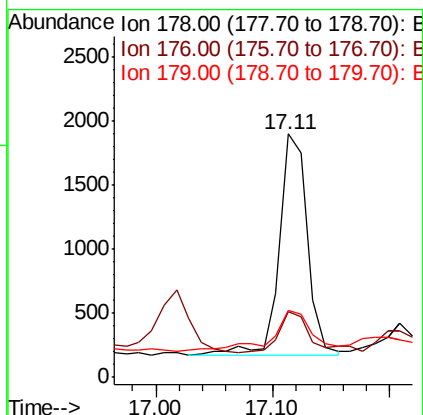
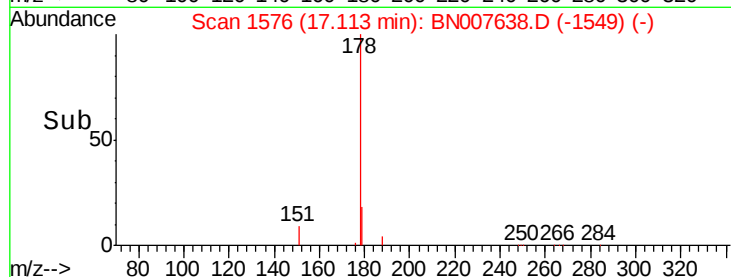
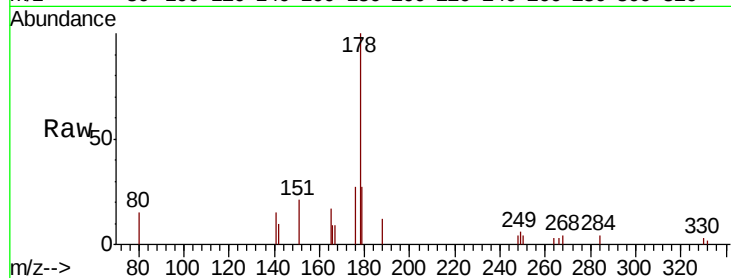
Tot Ion:178 Resp: 2865

Ion Ratio Lower Upper

178 100

176 20.6 15.0 22.6

179 26.2 12.4 18.6#



#25

Fluoranthene-d10

Concen: 0.496 ng

RT: 19.11 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

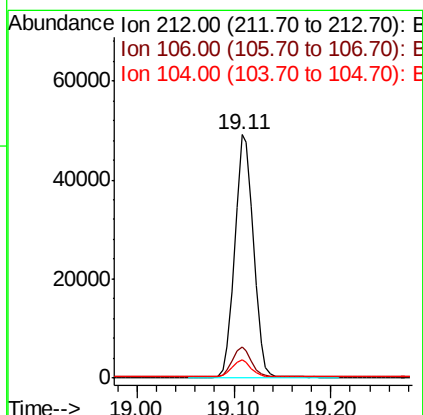
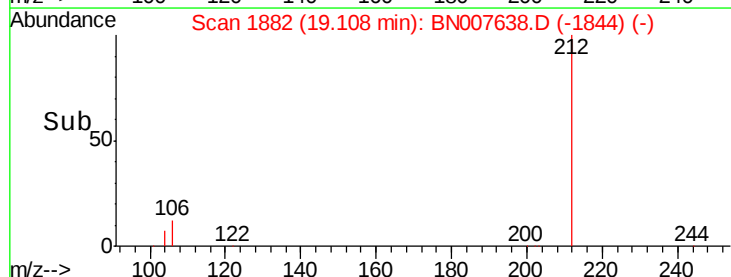
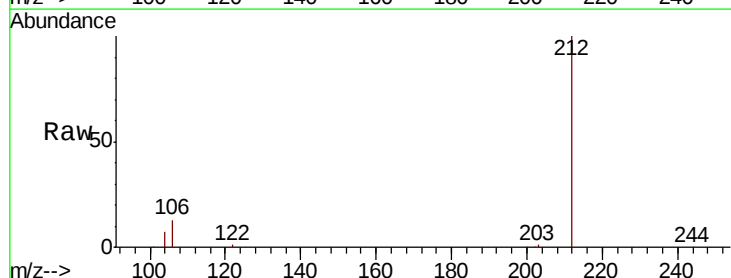
Tgt Ion:212 Resp: 65759

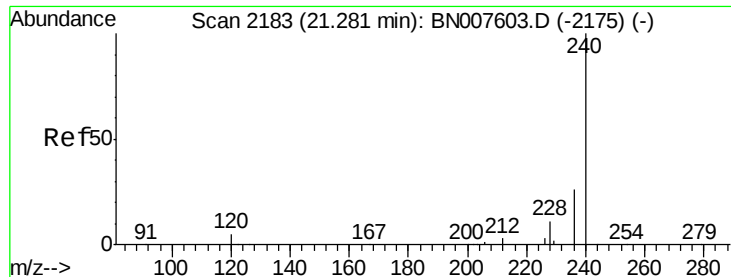
Ion Ratio Lower Upper

212 100

106 12.6 9.6 14.4

104 6.9 5.4 8.0

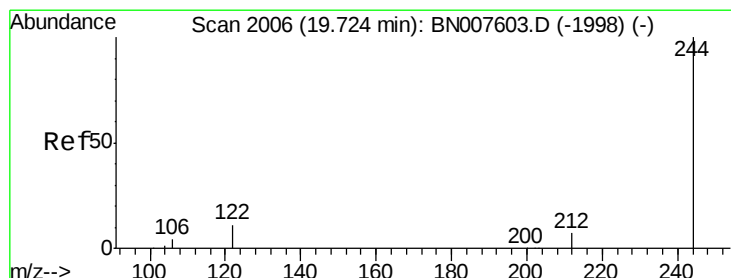
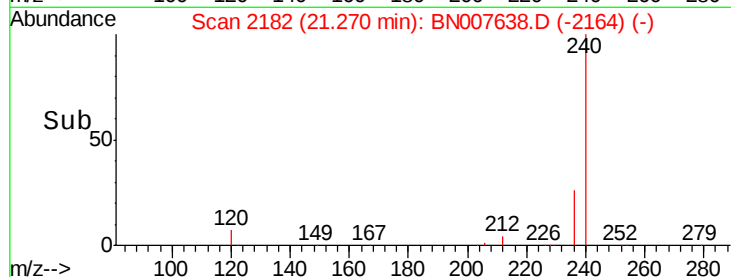
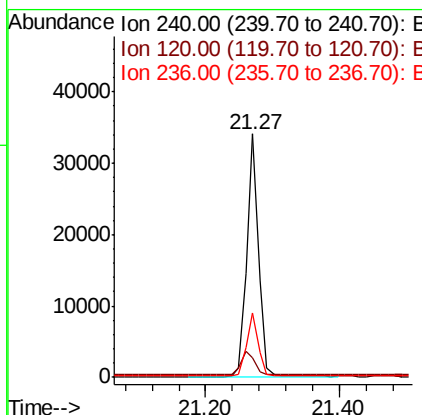
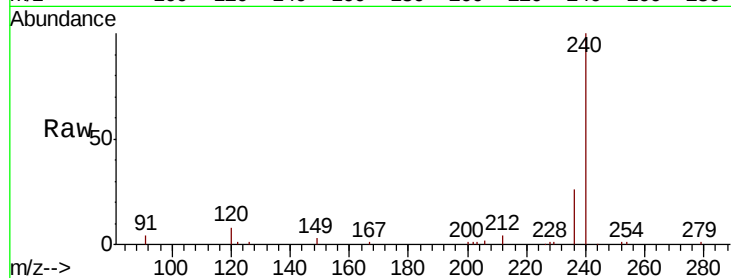




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BN007638.D
Acq: 13 Sep 2019 21:48

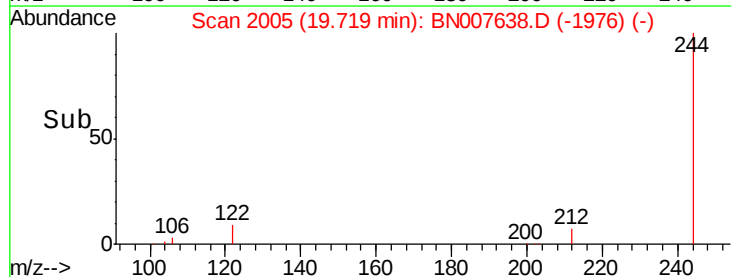
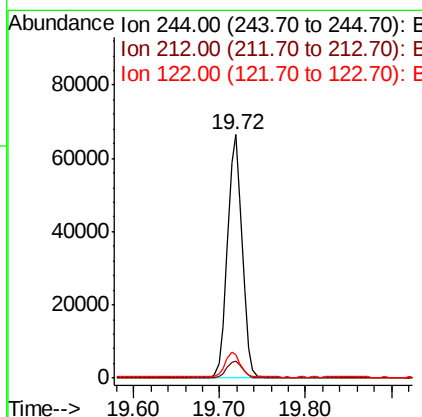
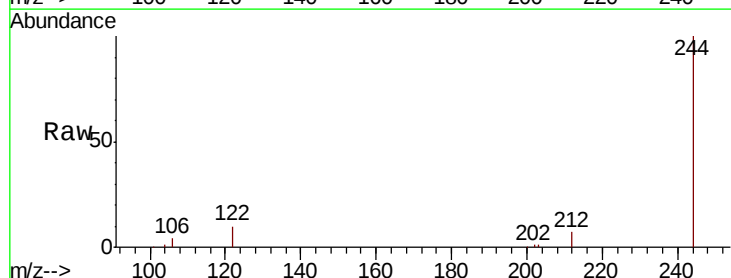
Instrument :
BNA_N
ClientSampleId :
MW-2

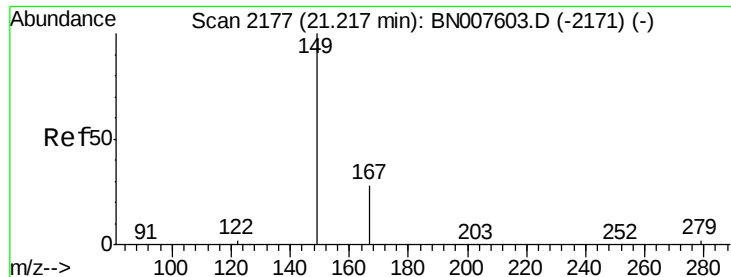
Tot Ion:240 Resp: 41580
Ion Ratio Lower Upper
240 100
120 8.1 4.3 6.5#
236 26.3 20.8 31.2



#29
Terphenyl-d14
Concen: 0.715 ng
RT: 19.72 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BN007638.D
Acq: 13 Sep 2019 21:48

Tgt Ion:244 Resp: 78358
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 9.7 8.6 12.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.235 ng

RT: 21.21 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

Instrument :

BNA_N

ClientSampleId :

MW-2

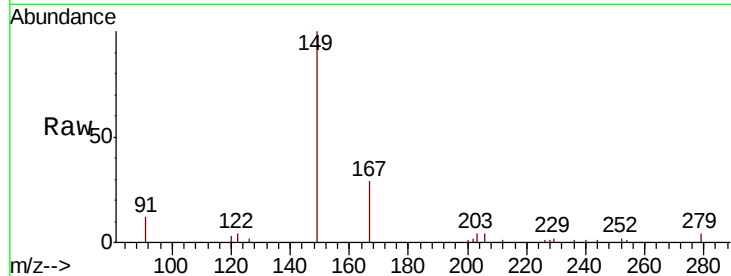
Tot Ion:149 Resp: 11722

Ion Ratio Lower Upper

149 100

167 28.6 22.6 34.0

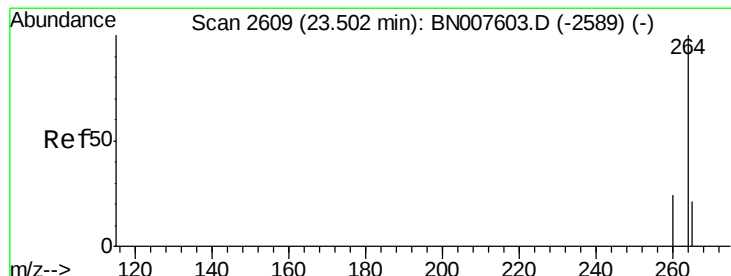
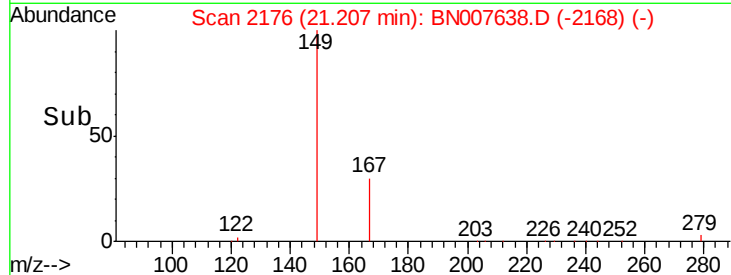
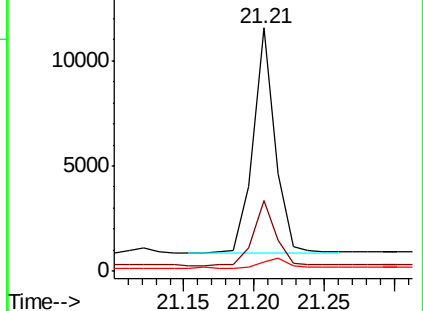
279 5.2 3.8 5.6



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: 23.49 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BN007638.D

Acq: 13 Sep 2019 21:48

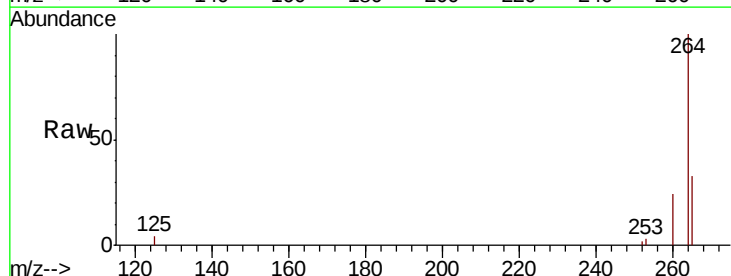
Tgt Ion:264 Resp: 42896

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 33.5 24.6 37.0



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

