

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070120\
 Data File : BP002606.D
 Acq On : 01 Jul 2020 16:15
 Operator : CG/JU
 Sample : L3160-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MUDDY-DRUM

Quant Time: Jul 01 18:22:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	268210	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	1055985	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	643066	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1362059	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1253052	20.00	ng	0.00
86) Perylene-d12	23.28	264	1137612	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	1710010	107.95	ng	0.00
7) Phenol-d6	6.76	99	2322838	105.06	ng	0.00
23) Nitrobenzene-d5	8.72	82	1610872	78.60	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	860612	110.03	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	3276407	74.99	ng	0.00
79) Terphenyl-d14	19.57	244	4413673	76.03	ng	0.00

Target Compounds

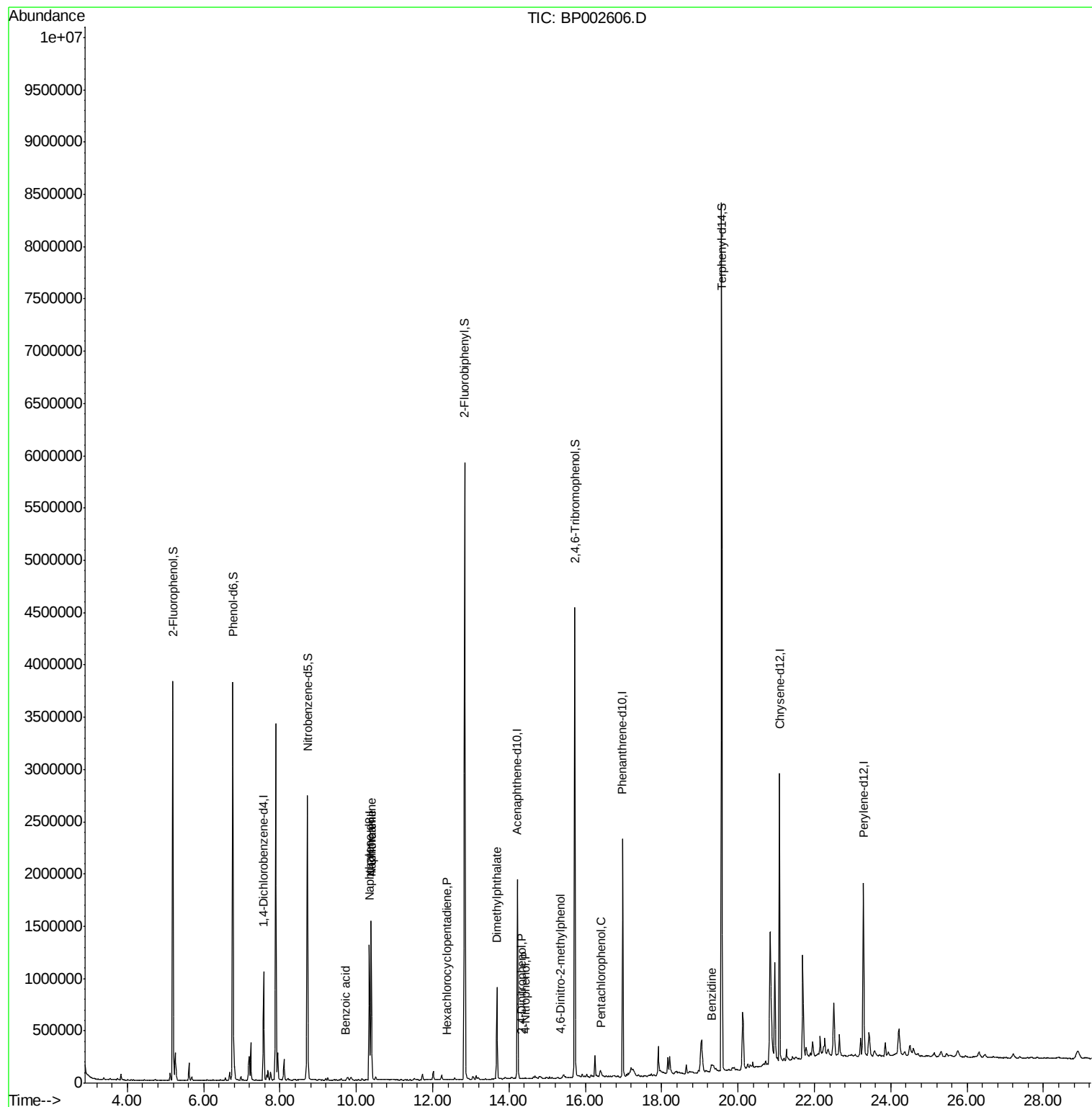
						Qvalue
31) Naphthalene	10.39	128	1226104	21.933	ng	100
32) Benzoic acid	9.71	122	119	8.708	ng	# 51
33) 4-Chloroaniline	10.39	127	160152	6.550	ng	# 33
41) Hexachlorocyclopentadiene	12.37	237	10	4.382	ng	75
50) Dimethylphthalate	13.68	163	561811	11.123	ng	100
54) 2,4-Dinitrophenol	14.35	184	50	6.016	ng	# 31
56) 4-Nitrophenol	14.44	139	169	2.453	ng	# 13
65) 4,6-Dinitro-2-methylphenol	15.35	198	11	2.711	ng	# 1
70) Pentachlorophenol	16.42	266	21	2.664	ng	93
77) Benzidine	19.30	184	609	3.767	ng	# 1

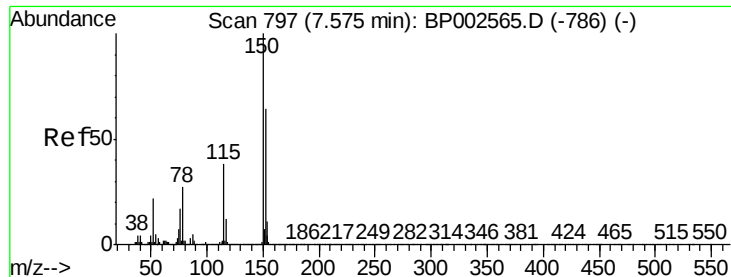
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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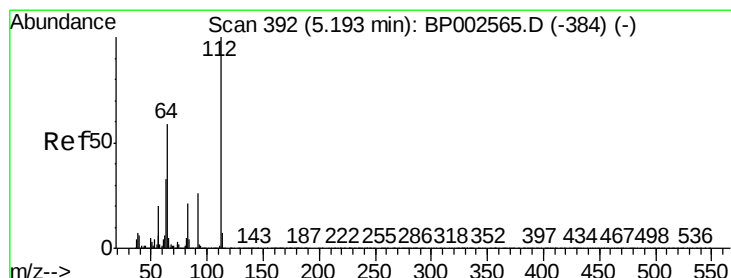
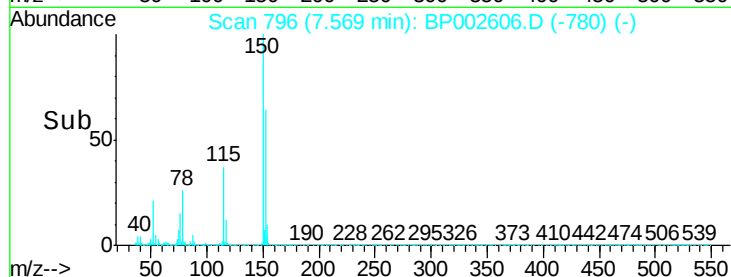
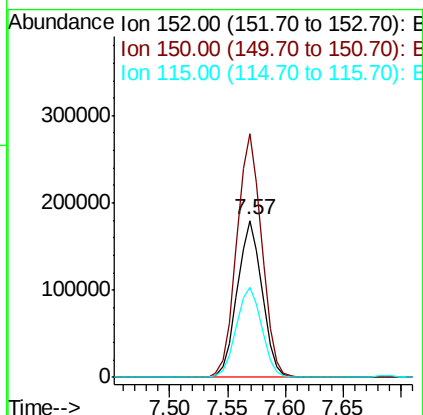
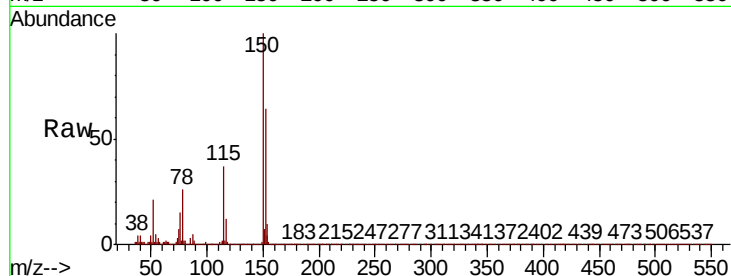


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002606.D
Acq: 01 Jul 2020 16:15

Instrument :
BNA_P
ClientSampleId :
MUDDY-DRUM

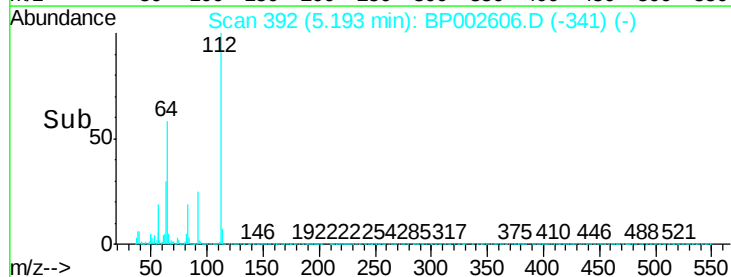
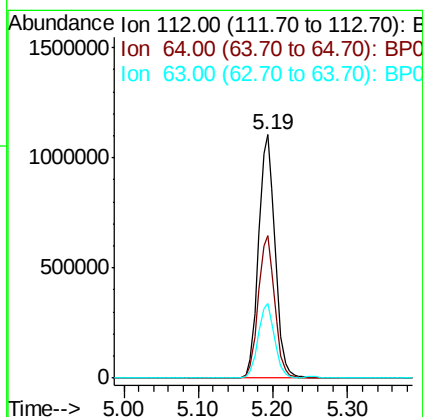
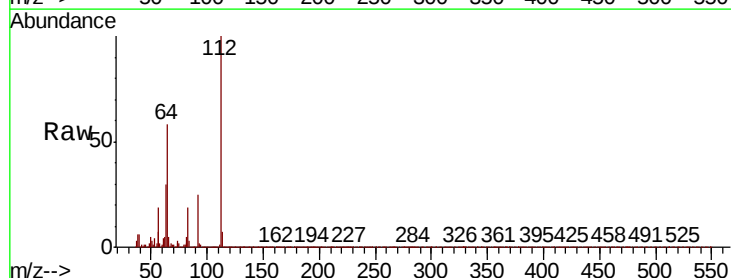
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.2	186.2
115	57.4	47.1	70.7

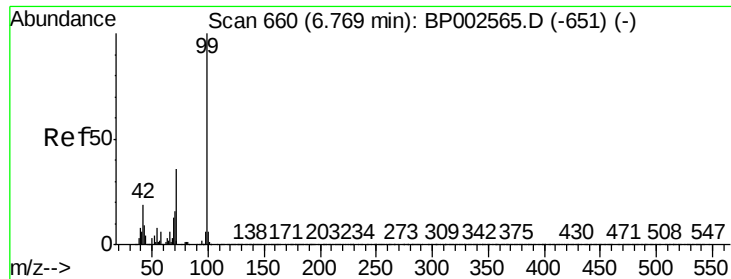


#5

2-Fluorophenol
Concen: 107.947 ng
RT: 5.19 min Scan# 392
Delta R.T. 0.00 min
Lab File: BP002606.D
Acq: 01 Jul 2020 16:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.0	70.6
63	30.4	26.1	39.1





#7

Phenol-d6

Concen: 105.057 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

Instrument :

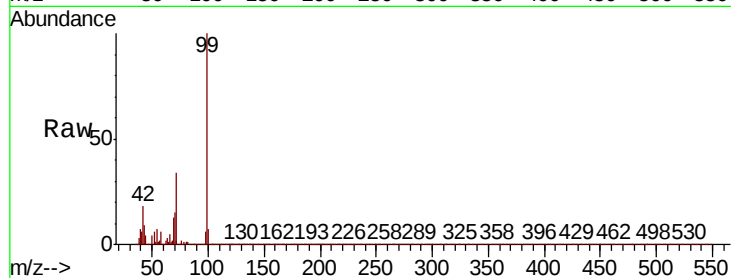
BNA_P

ClientSampleId :

MUDDY-DRUM

Tot Ion: 99 Resp: 2322838

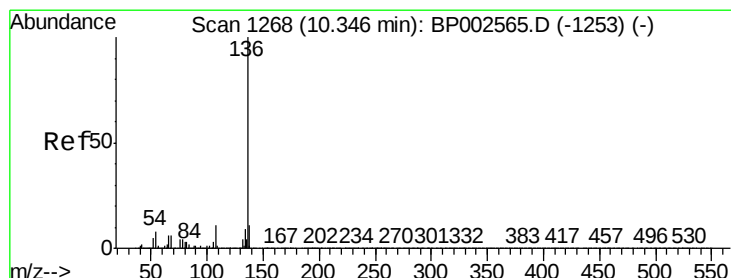
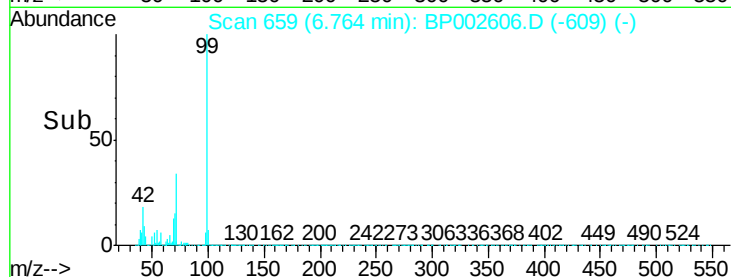
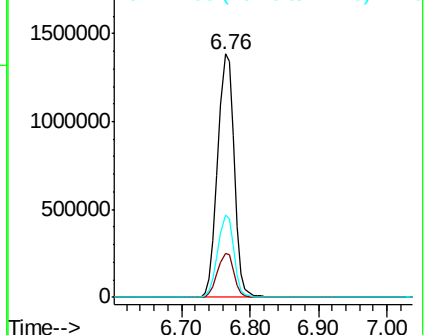
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.5	23.3
71	33.6	28.9	43.3



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

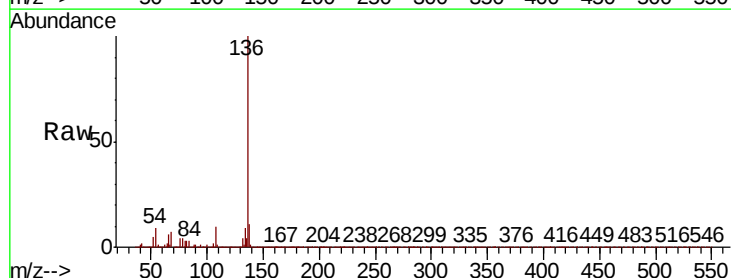
Delta R.T. -0.01 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

Tgt Ion: 136 Resp: 1055985

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.5	6.4	9.6
68	7.1	5.1	7.7

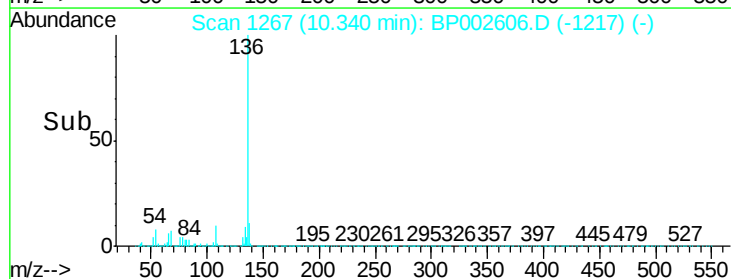
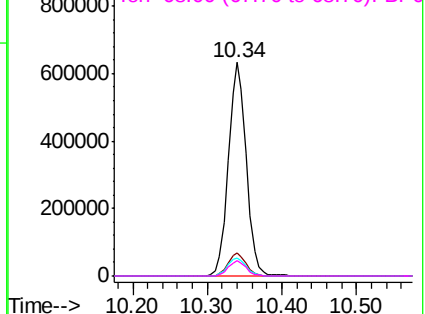


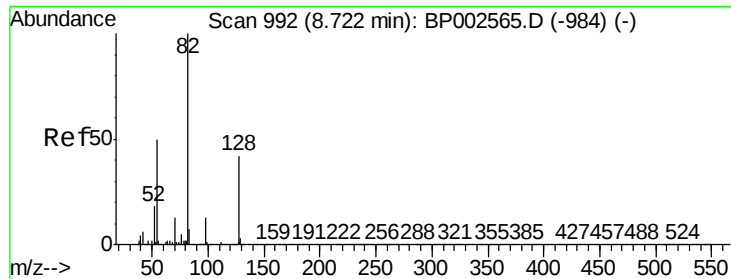
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



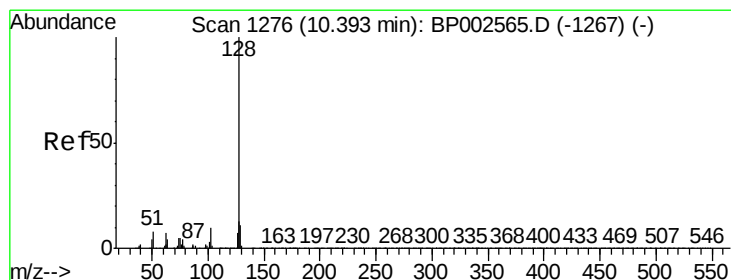
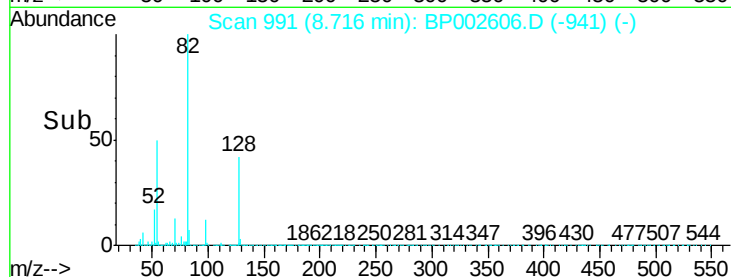
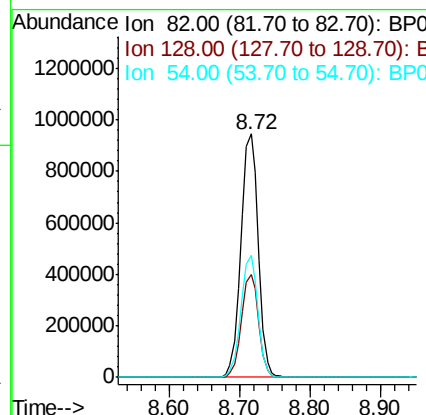
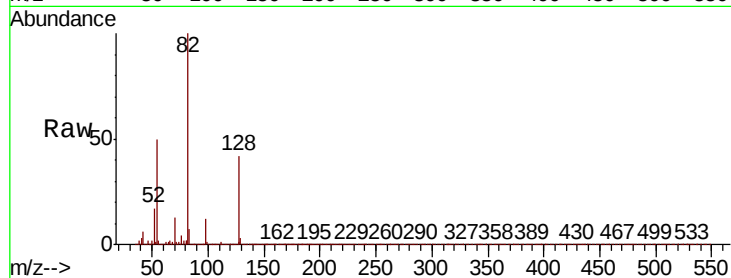


#23
 Nitrobenzene-d5
 Concen: 78.600 ng
 RT: 8.72 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BP002606.D
 Acq: 01 Jul 2020 16:15

Instrument :
 BNA_P
 ClientSampleId :
 MUDDY-DRUM

Tot Ion: 82 Resp: 1610872

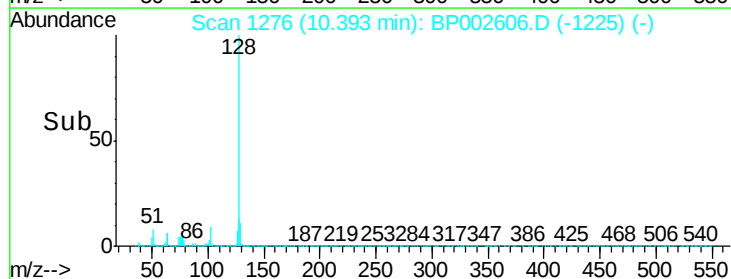
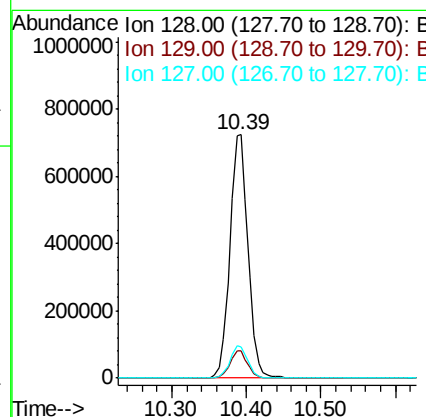
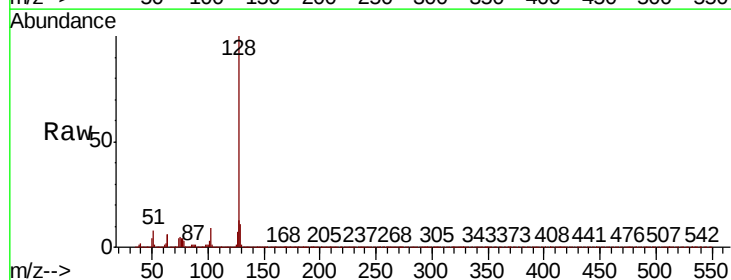
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.4	50.2
54	50.2	40.1	60.1

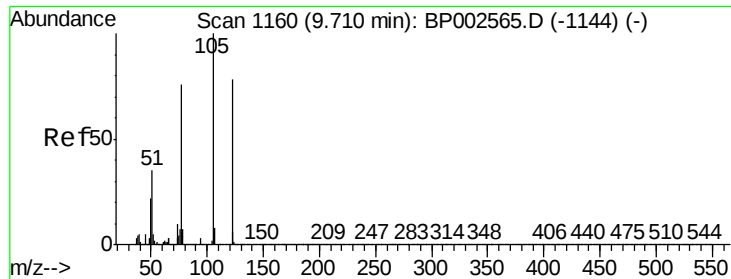


#31
 Naphthalene
 Concen: 21.933 ng
 RT: 10.39 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: BP002606.D
 Acq: 01 Jul 2020 16:15

Tgt Ion: 128 Resp: 1226104

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	12.8	10.3	15.5

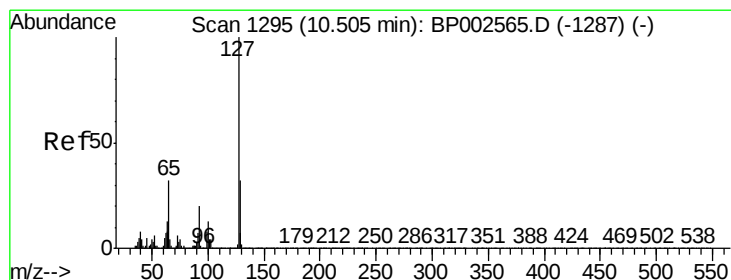
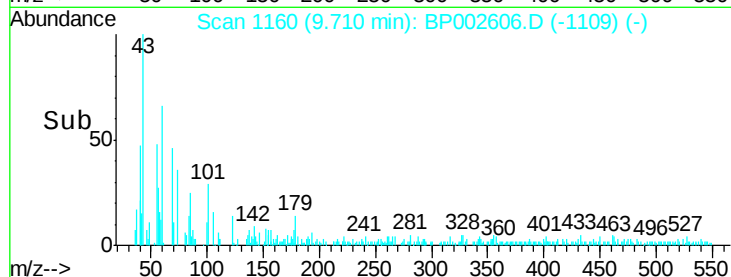
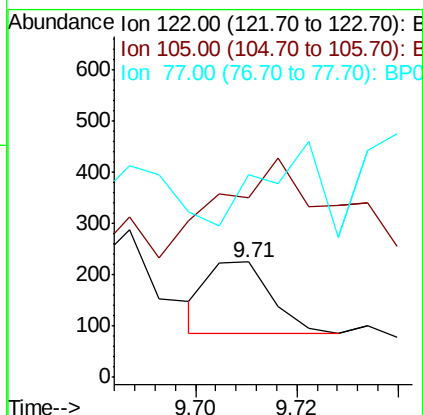
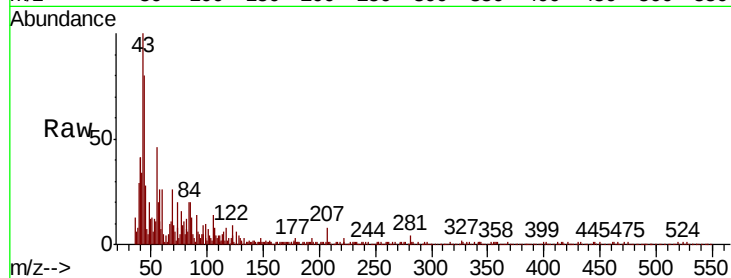




#32
Benzoic acid
Concen: 8.708 ng
RT: 9.71 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BP002606.D
Acq: 01 Jul 2020 16:15

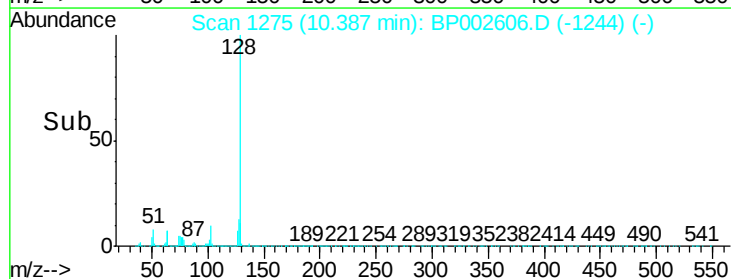
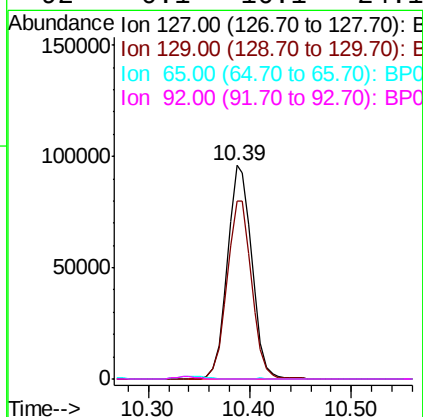
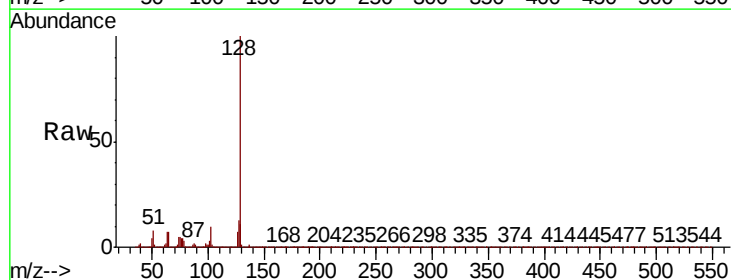
Instrument :
BNA_P
ClientSampleId :
MUDDY-DRUM

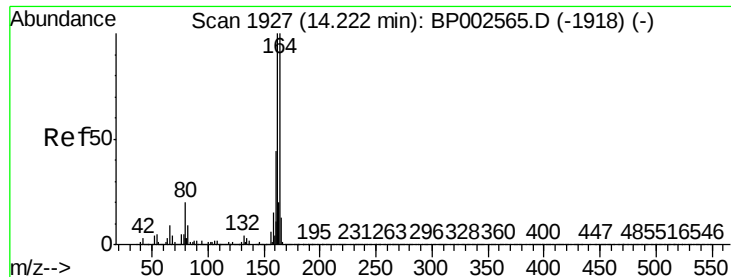
Tot Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
105 155.3 106.6 146.6#
77 175.2 76.5 116.5#



#33
4-Chloroaniline
Concen: 6.550 ng
RT: 10.39 min Scan# 1275
Delta R.T. -0.12 min
Lab File: BP002606.D
Acq: 01 Jul 2020 16:15

Tgt Ion:127 Resp: 160152
Ion Ratio Lower Upper
127 100
129 83.3 25.7 38.5#
65 0.0 25.7 38.5#
92 0.1 16.1 24.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

Instrument :

BNA_P

ClientSampleId :

MUDDY-DRUM

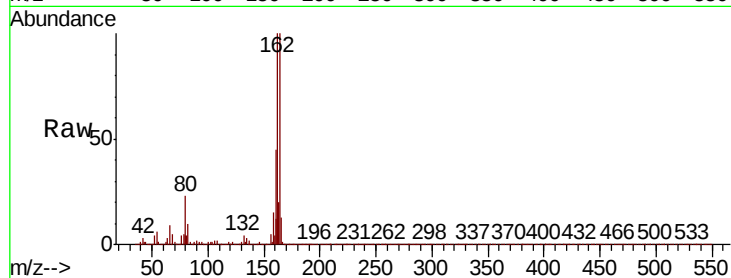
Tot Ion:164 Resp: 643066

Ion Ratio Lower Upper

164 100

162 99.8 80.3 120.5

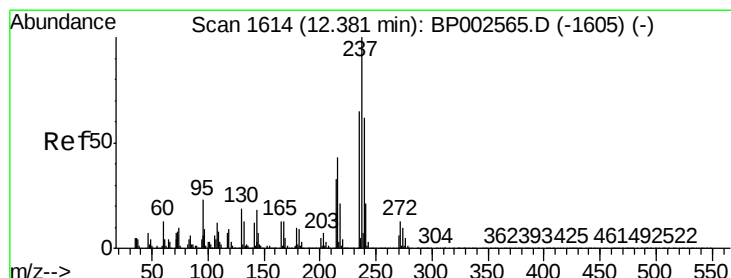
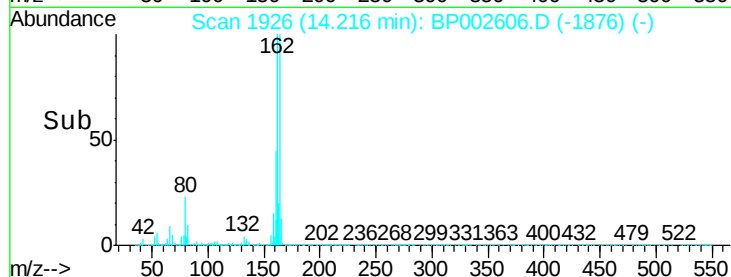
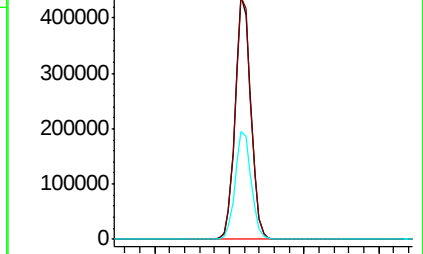
160 44.5 35.0 52.6



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



#41

Hexachlorocyclopentadiene

Concen: 4.382 ng

RT: 12.37 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

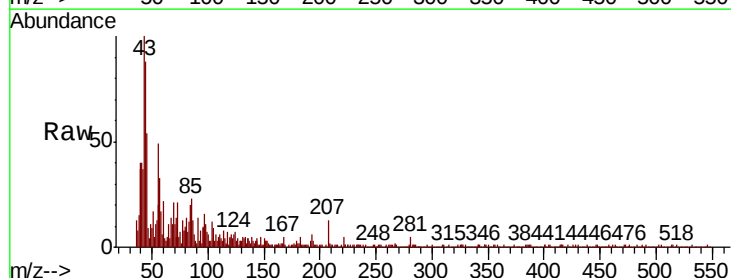
Tgt Ion:237 Resp: 10

Ion Ratio Lower Upper

237 100

235 84.2 45.4 85.4

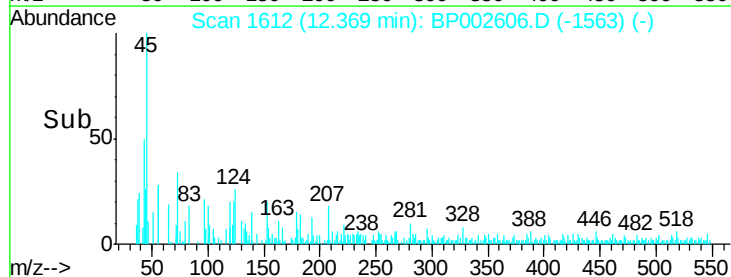
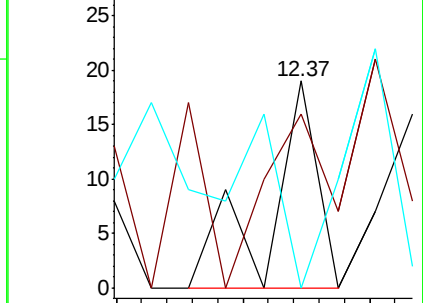
272 0.0 0.0 32.6

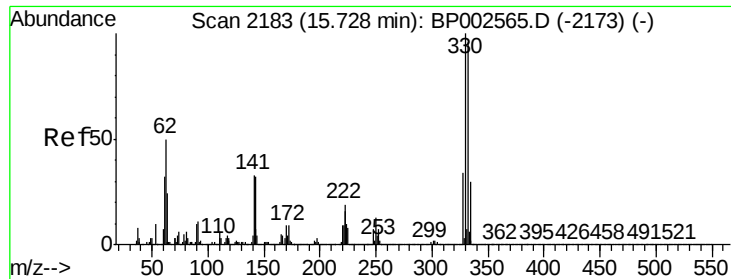


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

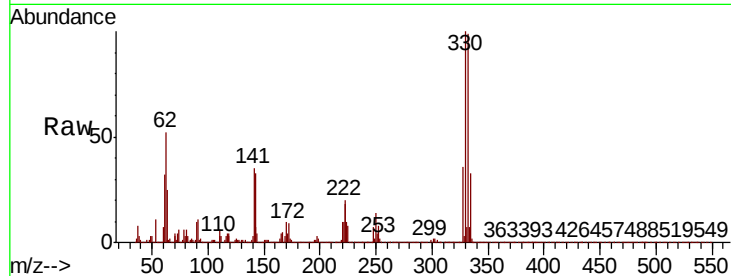




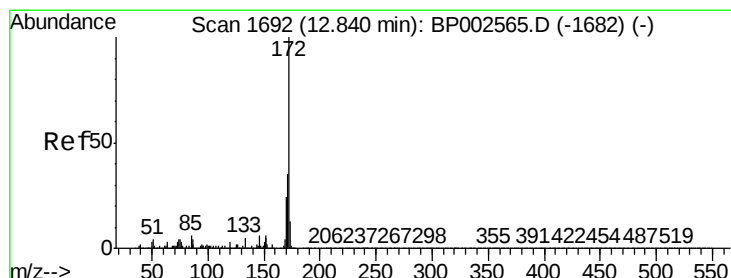
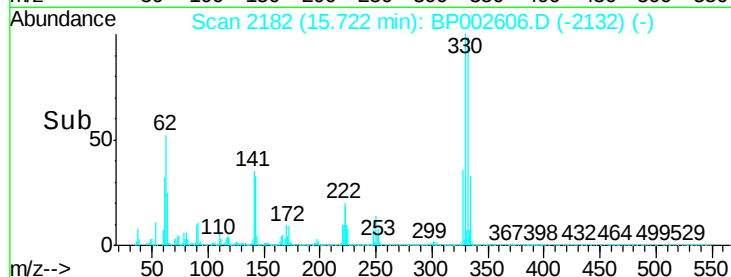
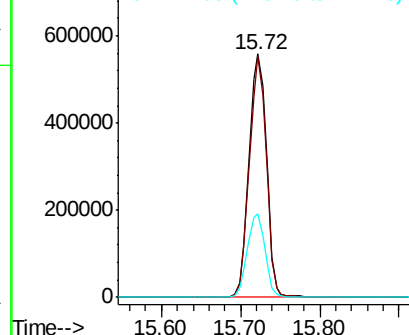
#42
2,4,6-Tribromophenol
Concen: 110.032 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002606.D
Acq: 01 Jul 2020 16:15

Instrument :
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MUDDY-DRUM

Tot Ion:330 Resp: 860612
Ion Ratio Lower Upper
330 100
332 95.6 77.7 116.5
141 34.6 29.0 43.6

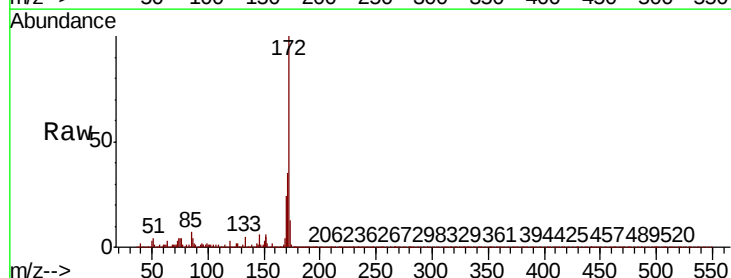


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

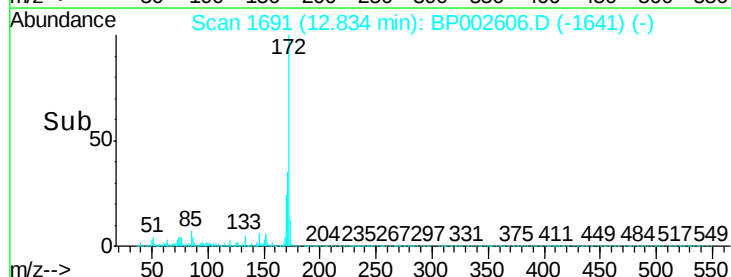
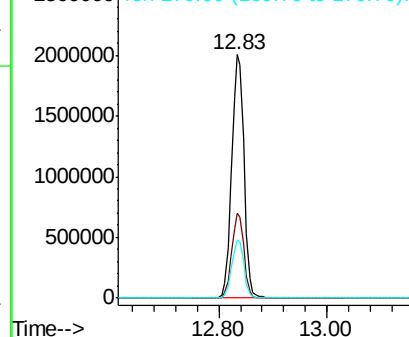


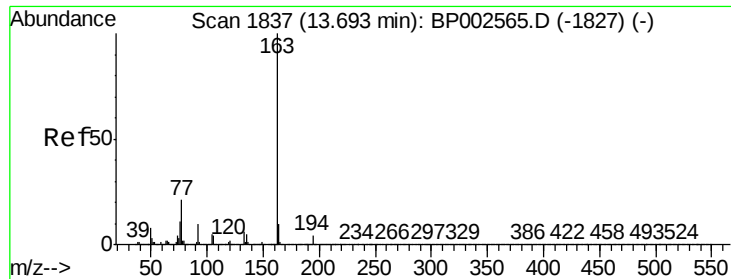
#45
2-Fluorobiphenyl
Concen: 74.990 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002606.D
Acq: 01 Jul 2020 16:15

Tgt Ion:172 Resp: 3276407
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 24.1 19.0 28.4



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





#50

Dimethylphthalate

Concen: 11.123 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

Instrument :

BNA_P

ClientSampleId :

MUDDY-DRUM

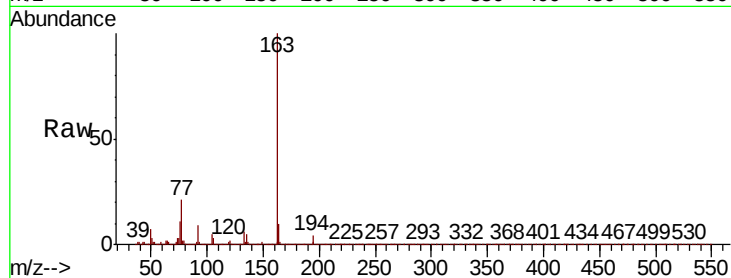
Tot Ion:163 Resp: 561811

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

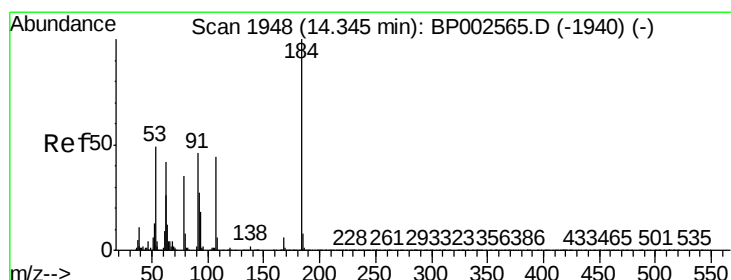
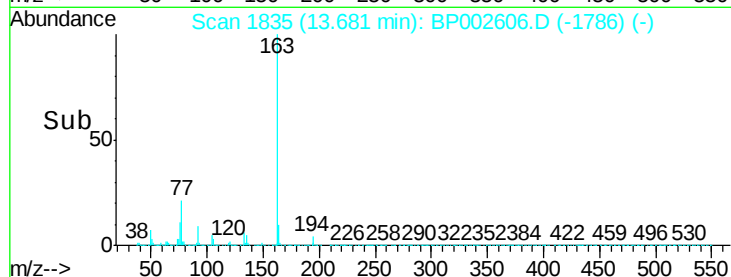
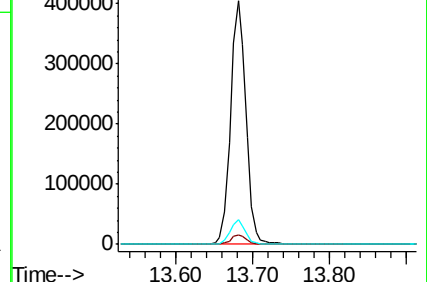
164 10.3 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 6.016 ng

RT: 14.35 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

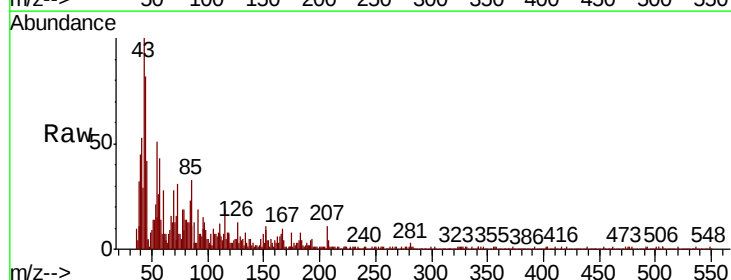
Tgt Ion:184 Resp: 50

Ion Ratio Lower Upper

184 100

63 158.2 56.2 84.2#

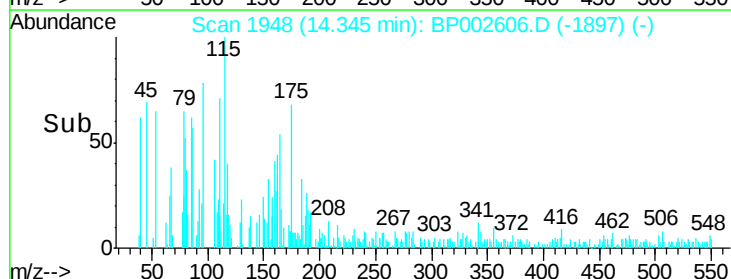
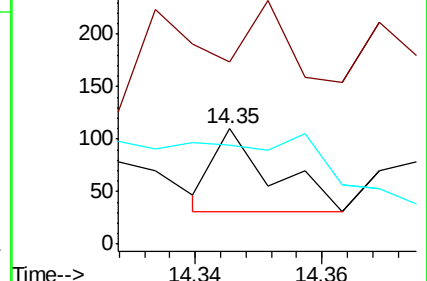
154 85.5 50.9 76.3#

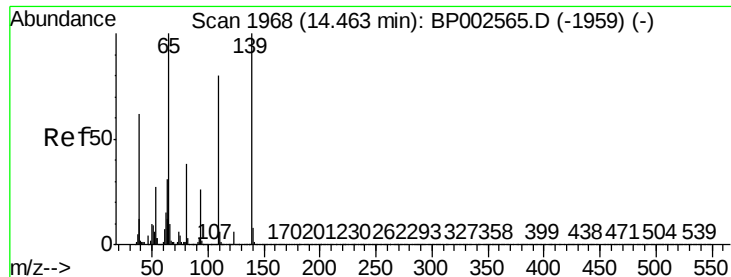


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#56

4-Nitrophenol

Concen: 2.453 ng

RT: 14.44 min Scan# 1964

Delta R.T. -0.02 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

Instrument :

BNA_P

ClientSampleId :

MUDDY-DRUM

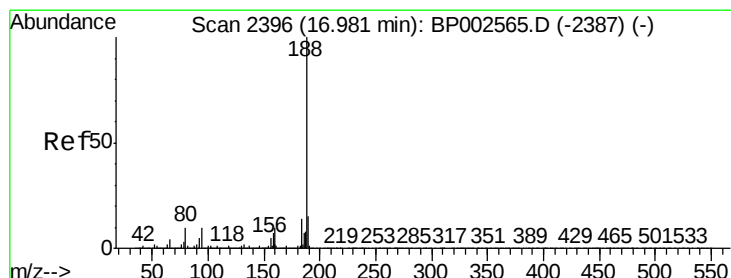
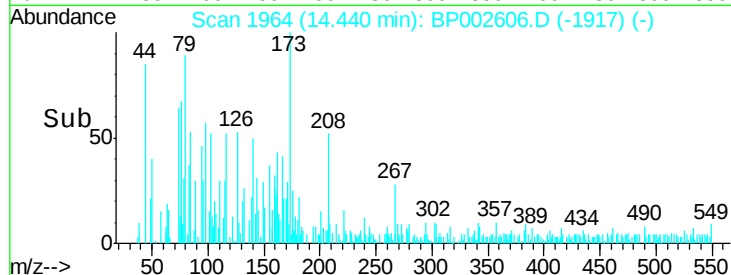
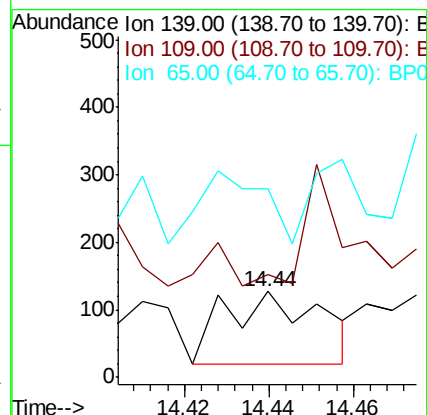
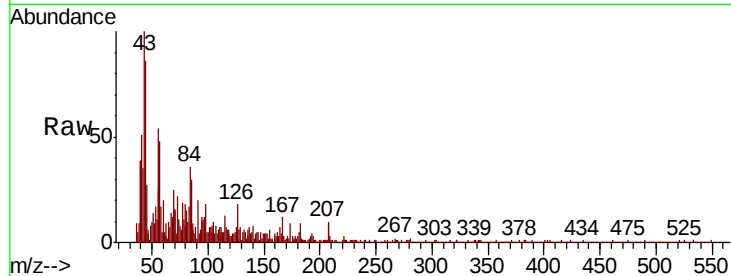
Tot Ion:139 Resp: 169

Ion Ratio Lower Upper

139 100

109 119.7 60.1 100.1#

65 220.5 80.3 120.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

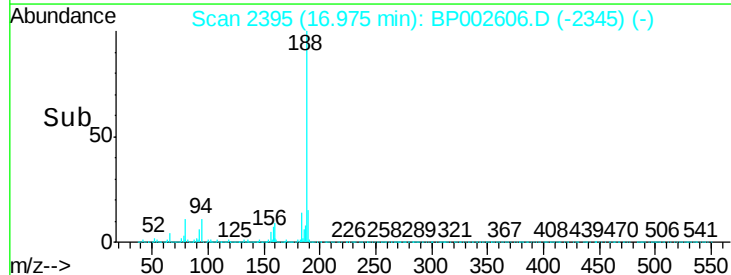
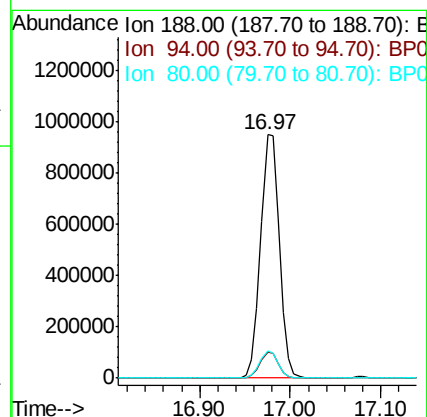
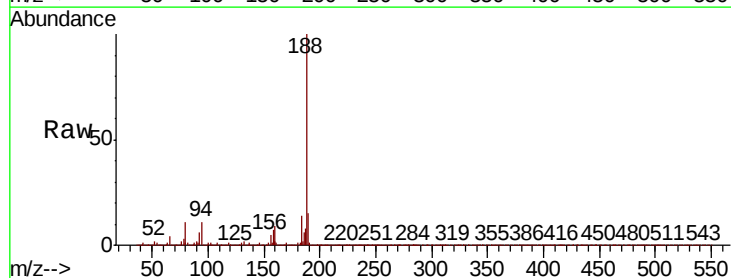
Tgt Ion:188 Resp: 1362059

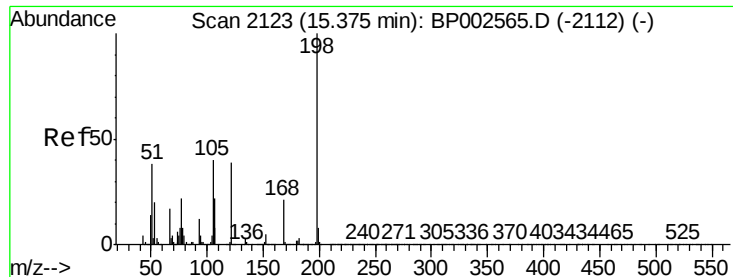
Ion Ratio Lower Upper

188 100

94 10.6 7.8 11.6

80 11.3 8.2 12.4

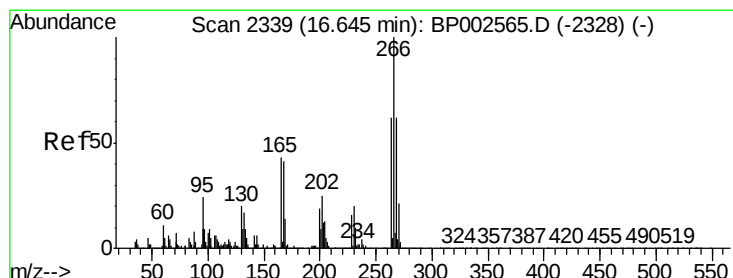
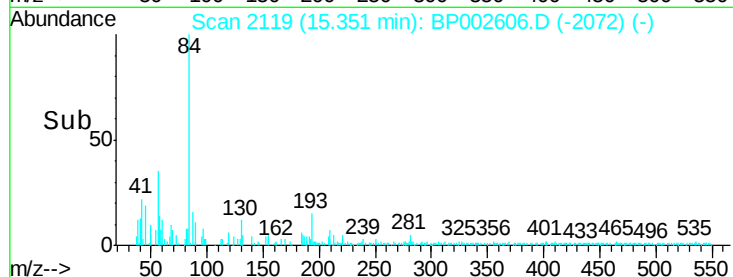
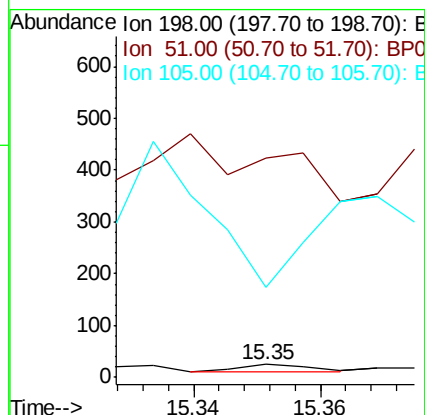
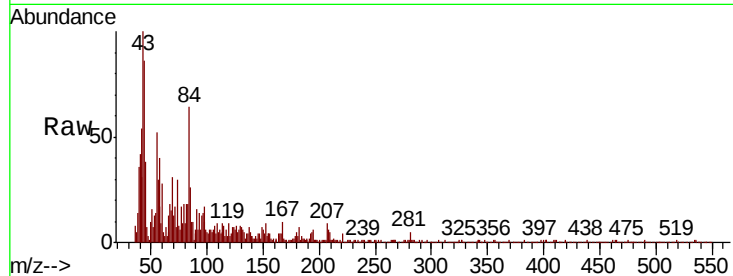




#65
4,6-Dinitro-2-methylphenol
Concen: 2.711 ng
RT: 15.35 min Scan# 2119
Delta R.T. -0.02 min
Lab File: BP002606.D
Acq: 01 Jul 2020 16:15

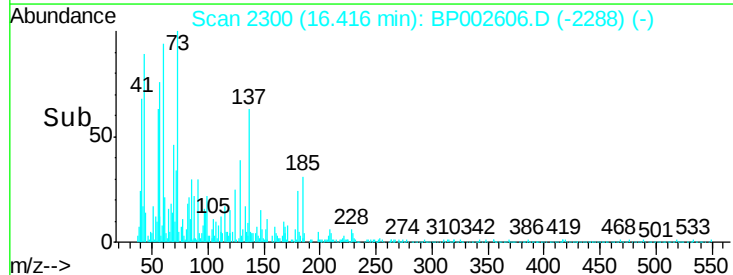
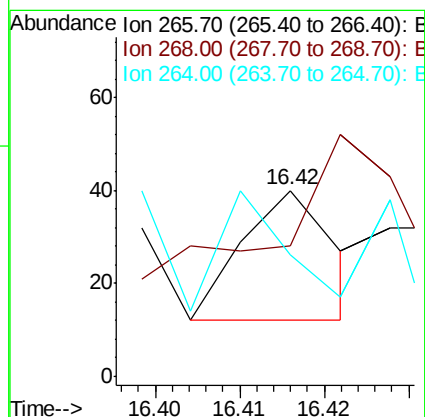
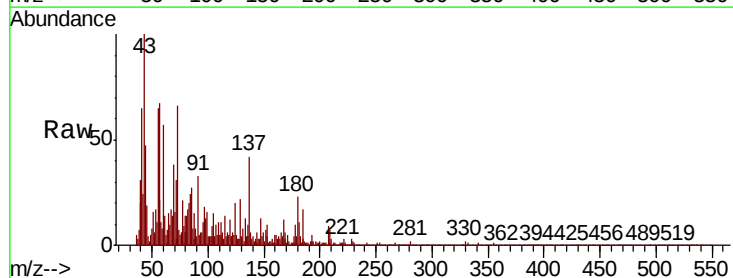
Instrument :
BNA_P
ClientSampleId :
MUDDY-DRUM

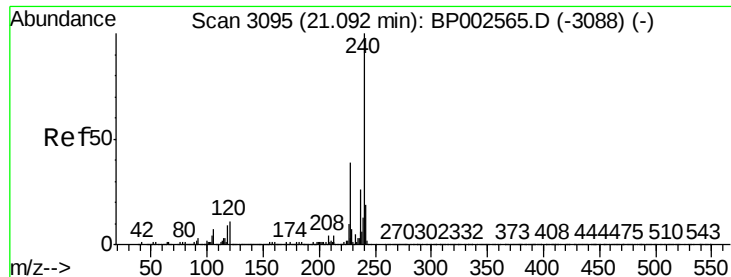
Tot Ion:198 Resp: 11
Ion Ratio Lower Upper
198 100
51 1692.0 24.2 64.2#
105 696.0 20.7 60.7#



#70
Pentachlorophenol
Concen: 2.664 ng
RT: 16.42 min Scan# 2300
Delta R.T. -0.23 min
Lab File: BP002606.D
Acq: 01 Jul 2020 16:15

Tgt Ion:266 Resp: 21
Ion Ratio Lower Upper
266 100
268 70.0 49.7 74.5
264 65.0 49.3 73.9

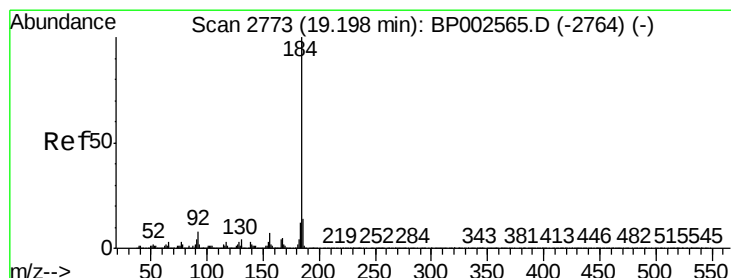
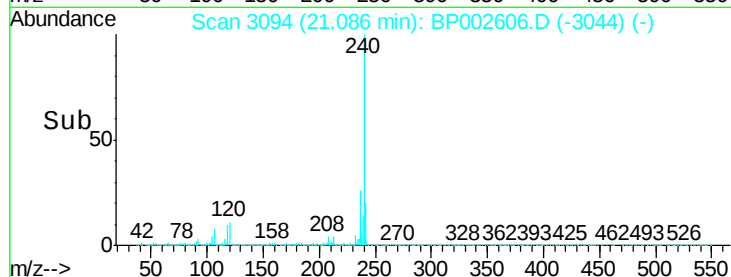
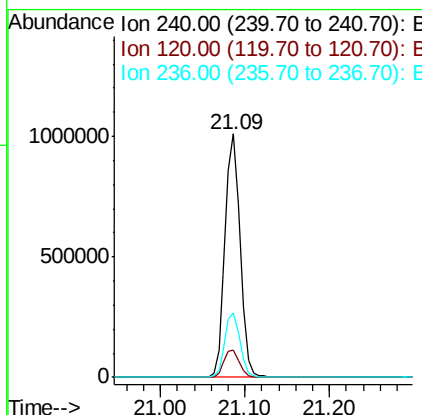
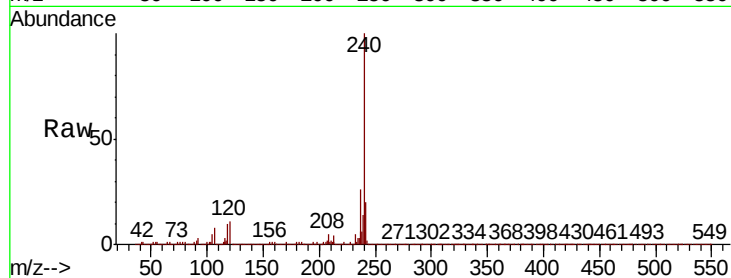




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.09 min Scan# 3094
 Delta R.T. -0.01 min
 Lab File: BP002606.D
 Acq: 01 Jul 2020 16:15

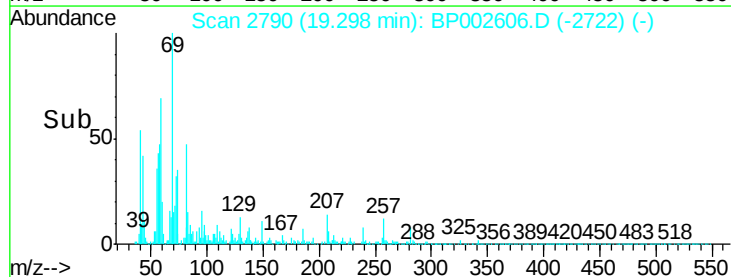
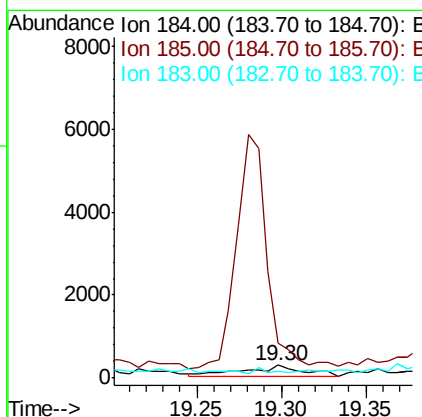
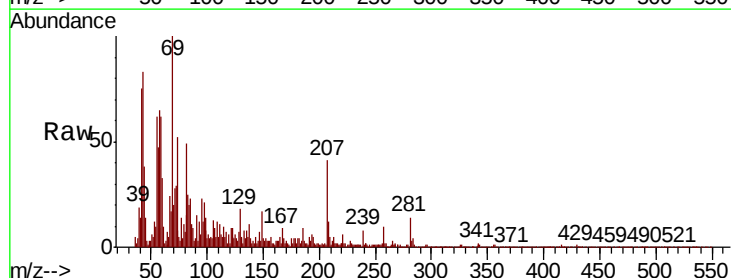
Instrument :
 BNA_P
 ClientSampleId :
 MUDDY-DRUM

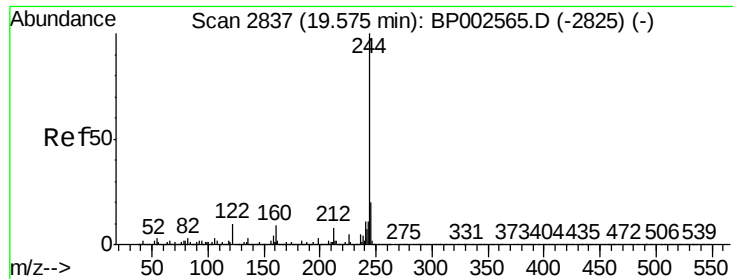
Tot Ion:240 Resp: 1253052
 Ion Ratio Lower Upper
 240 100
 120 11.5 8.6 13.0
 236 26.2 20.8 31.2



#77
 Benzidine
 Concen: 3.767 ng
 RT: 19.30 min Scan# 2790
 Delta R.T. 0.10 min
 Lab File: BP002606.D
 Acq: 01 Jul 2020 16:15

Tgt Ion:184 Resp: 609
 Ion Ratio Lower Upper
 184 100
 185 274.1 11.4 17.2#
 183 49.8 9.2 13.8#





#79

Terphenyl-d14

Concen: 76.029 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

Instrument :

BNA_P

ClientSampleId :

MUDDY-DRUM

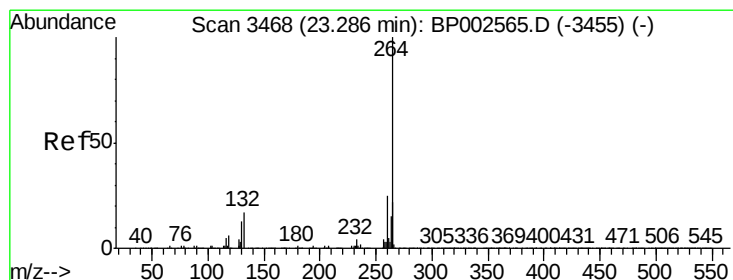
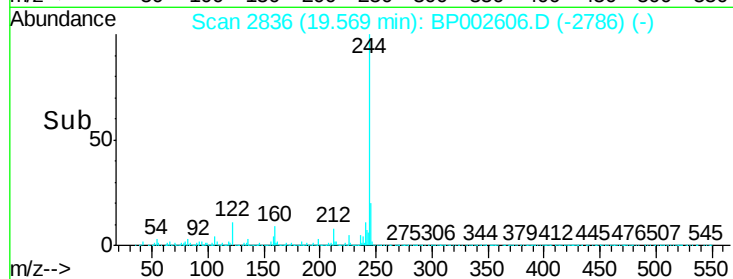
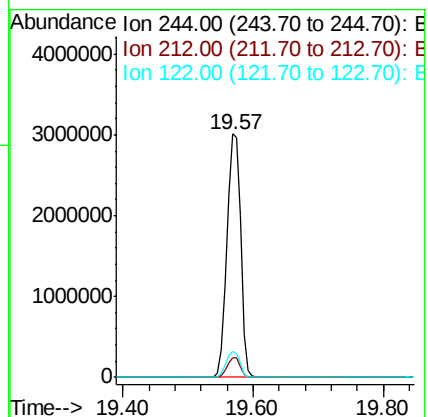
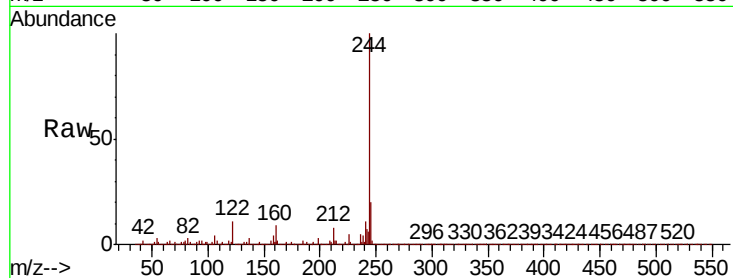
Tot Ion:244 Resp: 4413673

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

122 10.6 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.28 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BP002606.D

Acq: 01 Jul 2020 16:15

Tgt Ion:264 Resp: 1137612

Ion Ratio Lower Upper

264 100

260 23.6 19.7 29.5

265 21.4 17.6 26.4

