

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\
 Data File : BN007554.D
 Acq On : 06 Sep 2019 22:36
 Operator : HP/JU
 Sample : K4722-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519

Quant Time: Sep 09 10:50:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 12:18:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	5955	0.40	ng	-0.02
7) Naphthalene-d8	10.15	136	23185	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	13302	0.40	ng	-0.02
19) Phenanthrene-d10	16.78	188	29860	0.40	ng	-0.02
27) Chrysene-d12	21.00	240	30095	0.40	ng	-0.01
34) Perylene-d12	23.11	264	32628	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.02	112	3326	0.14	ng	-0.02
5) Phenol-d6	6.58	99	2634	0.08	ng	0.00
8) Nitrobenzene-d5	8.53	82	6401	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	14168	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.54	330	2072	0.30	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	23132	0.43	ng	0.00
25) Fluoranthene-d10	18.84	212	36749	0.38	ng	-0.01
29) Terphenyl-d14	19.45	244	30096	0.38	ng	-0.02

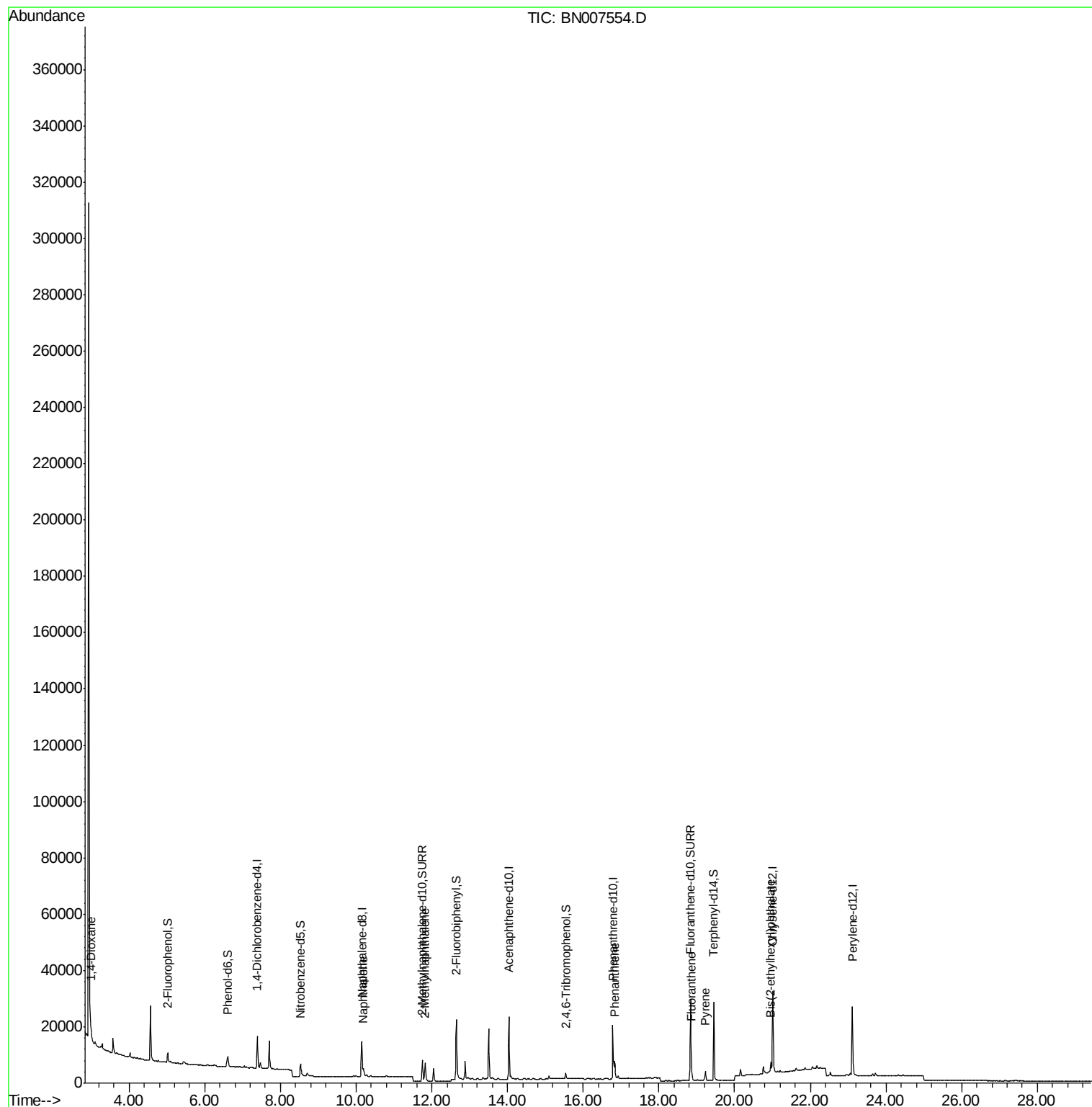
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.00	88	1266	0.128	ng	# 92
9) Naphthalene	10.19	128	3346	0.051	ng	93
12) 2-Methylnaphthalene	11.82	142	5907	0.131	ng	96
23) Phenanthrene	16.83	178	6782	0.076	ng	99
26) Fluoranthene	18.86	202	3212	0.028	ng	# 95
28) Pyrene	19.23	202	3504	0.029	ng	97
32) Bis(2-ethylhexyl)phthalate	20.95	149	3715	0.030	ng	98

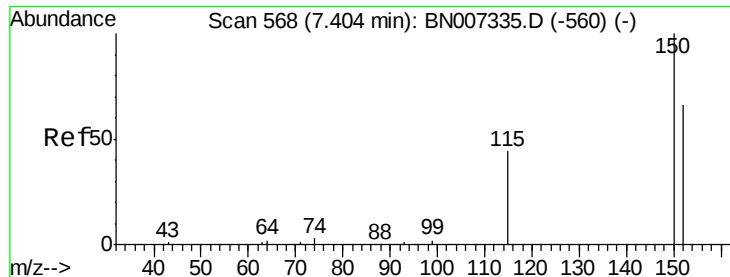
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 566

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-47.0-52.0-090519

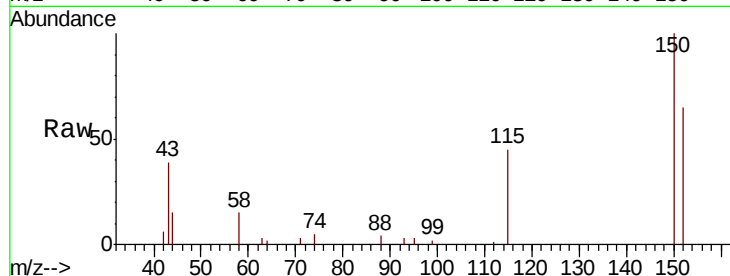
Tot Ion:152 Resp: 5955

Ion Ratio Lower Upper

152 100

150 155.0 109.1 163.7

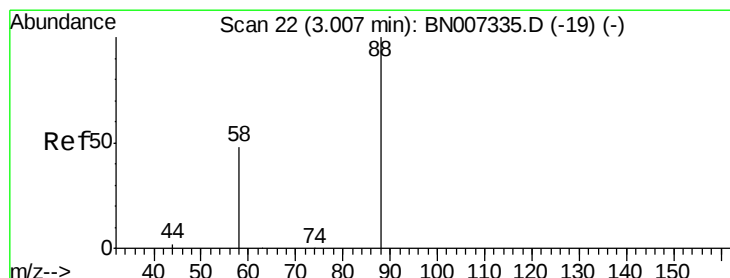
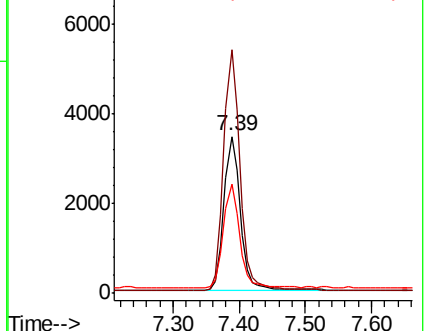
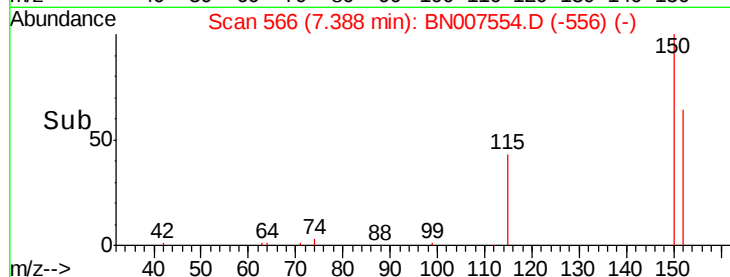
115 69.7 59.6 89.4



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: 0.128 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

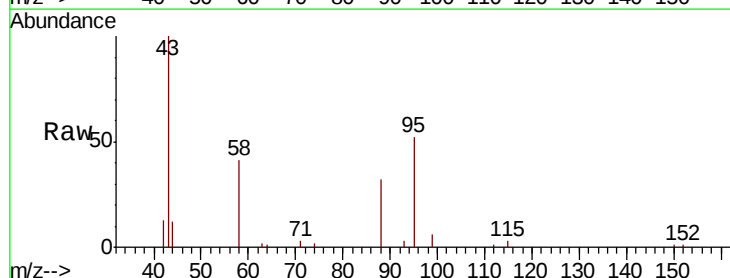
Tgt Ion: 88 Resp: 1266

Ion Ratio Lower Upper

88 100

58 57.3 50.5 75.7

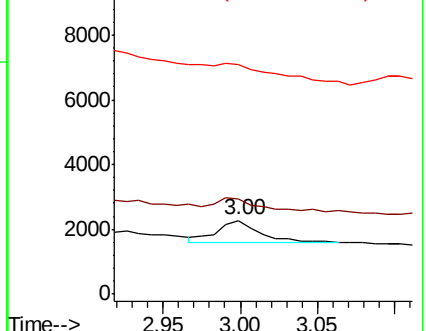
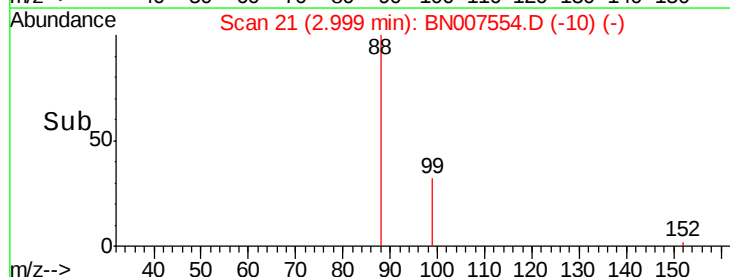
43 0.0 0.0 0.0

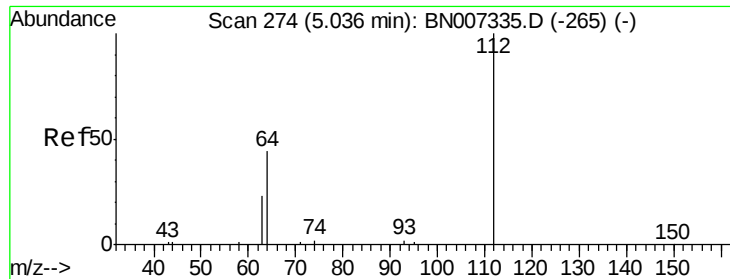


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.143 ng

RT: 5.02 min Scan# 272

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-47.0-52.0-090519

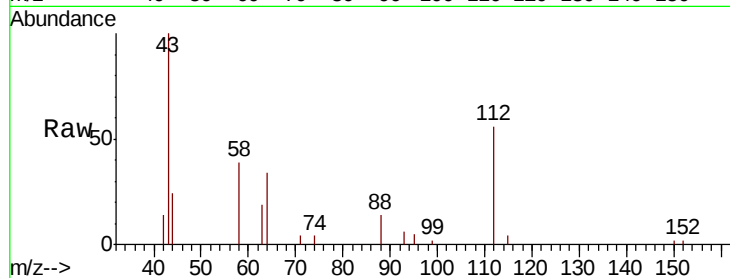
Tot Ion: 112 Resp: 3326

Ion Ratio Lower Upper

112 100

64 56.0 42.3 63.5

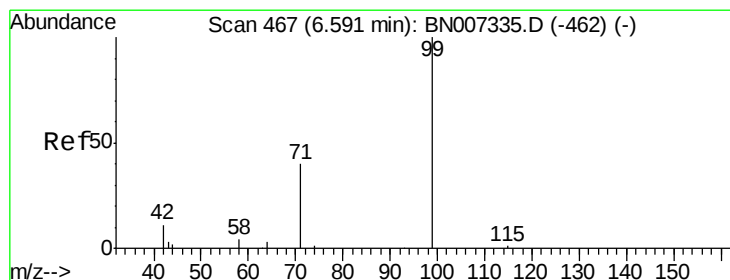
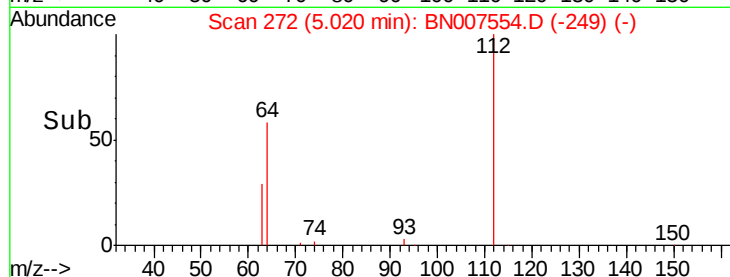
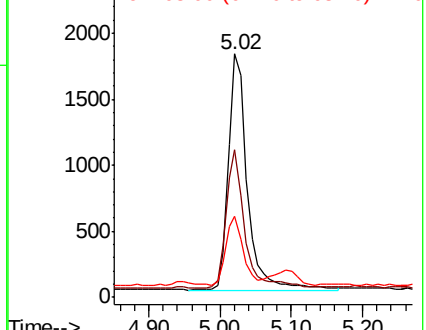
63 25.8 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.076 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

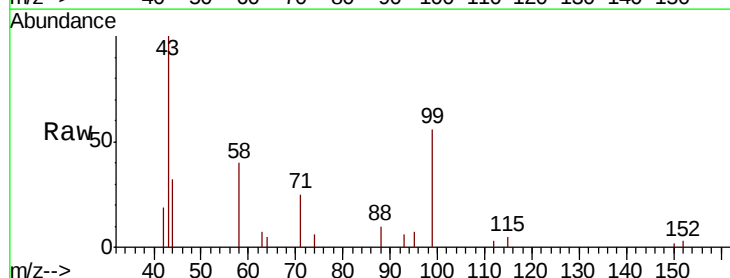
Tgt Ion: 99 Resp: 2634

Ion Ratio Lower Upper

99 100

42 18.1 11.2 16.8#

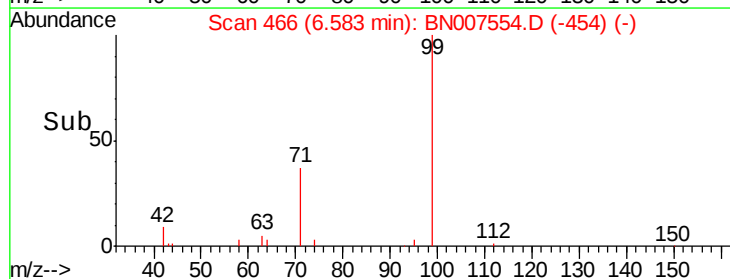
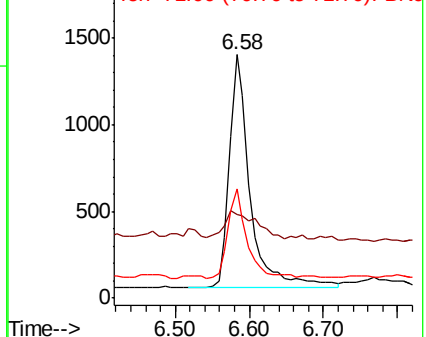
71 35.2 31.8 47.8

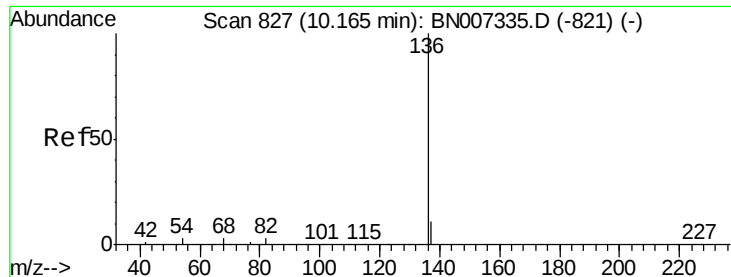


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-47.0-52.0-090519

Tot Ion:136 Resp: 23185

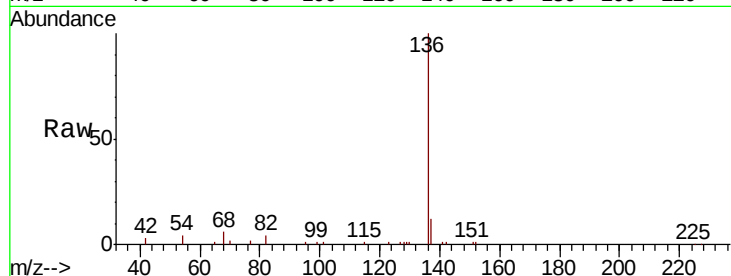
Ion Ratio Lower Upper

136 100

137 11.6 12.9 19.3#

54 4.3 8.6 12.8#

68 5.7 17.0 25.4#

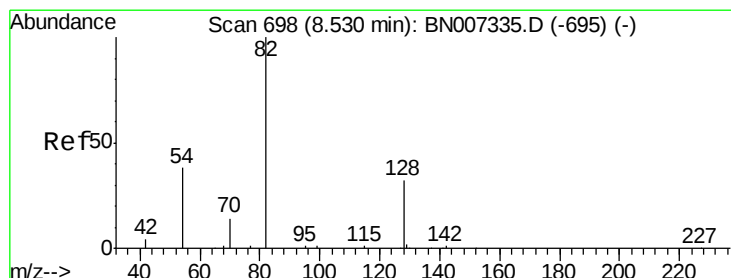
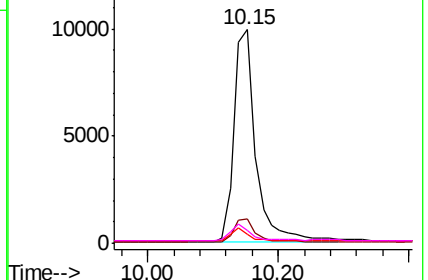
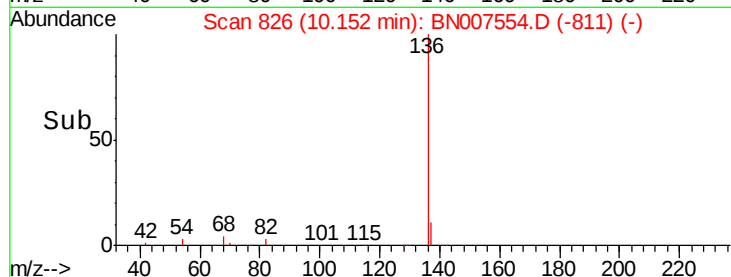


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.317 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

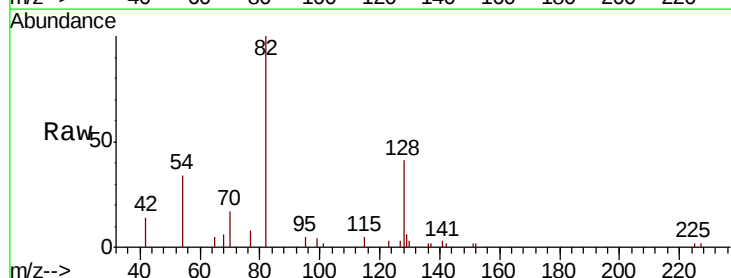
Tgt Ion: 82 Resp: 6401

Ion Ratio Lower Upper

82 100

128 40.7 19.7 29.5#

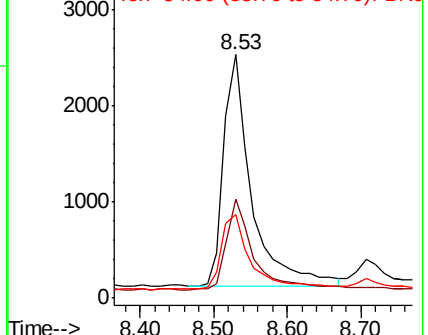
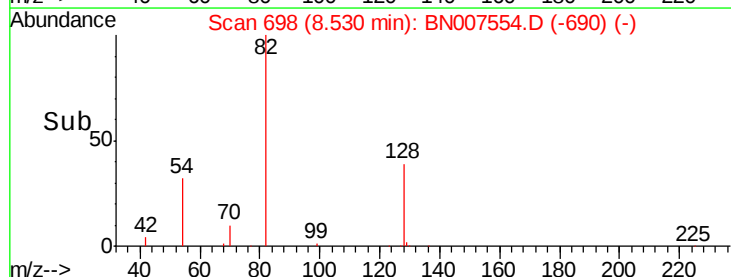
54 34.3 25.8 38.6

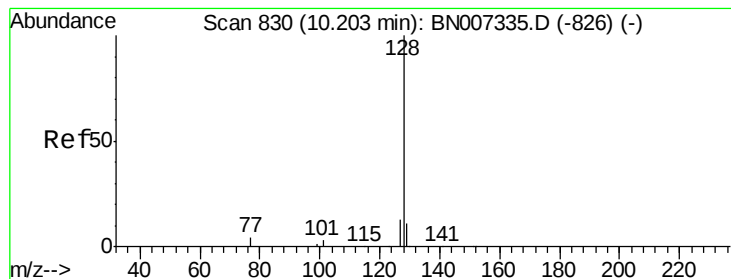


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.051 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-47.0-52.0-090519

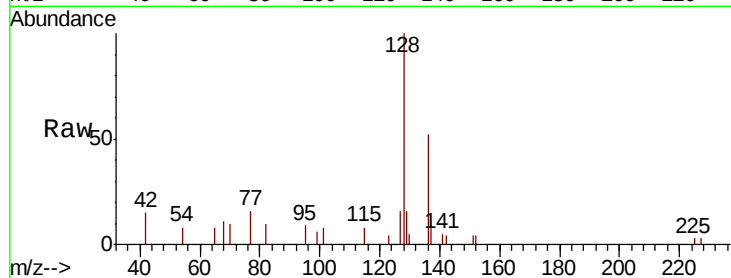
Tot Ion:128 Resp: 3346

Ion Ratio Lower Upper

128 100

129 15.7 11.1 16.7

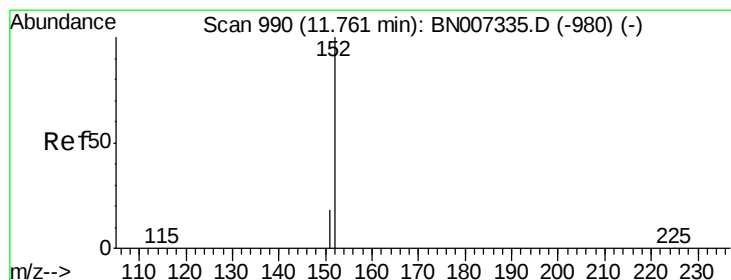
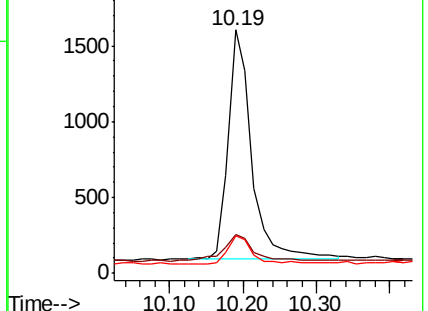
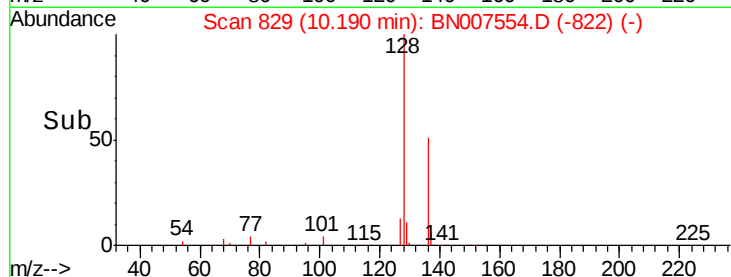
127 15.6 15.5 23.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.368 ng

RT: 11.75 min Scan# 987

Delta R.T. -0.01 min

Lab File: BN007554.D

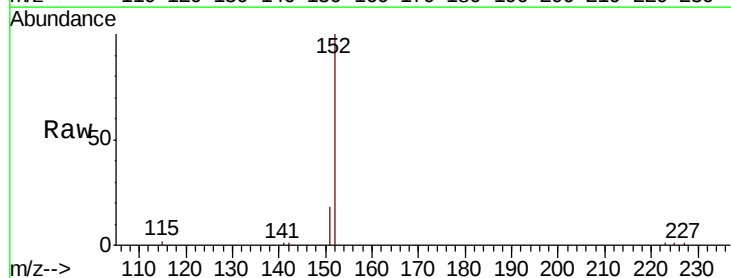
Acq: 06 Sep 2019 22:36

Tgt Ion:152 Resp: 14168

Ion Ratio Lower Upper

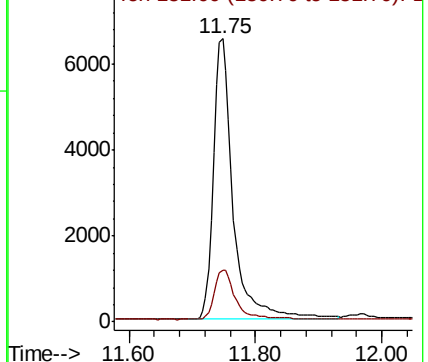
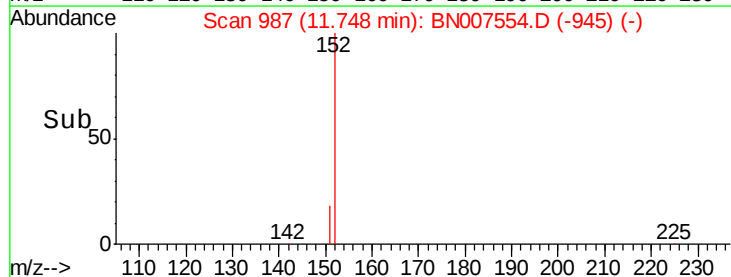
152 100

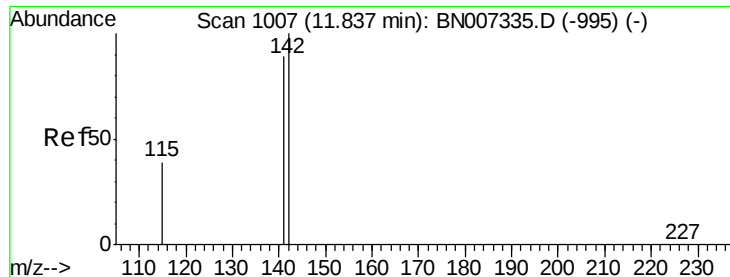
151 19.1 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.131 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

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ClientSampleId :

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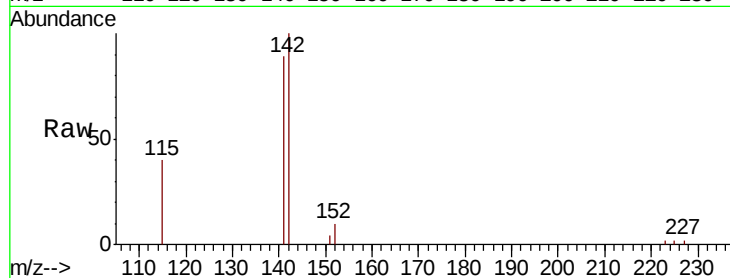
Tot Ion:142 Resp: 5907

Ion Ratio Lower Upper

142 100

141 88.8 72.8 109.2

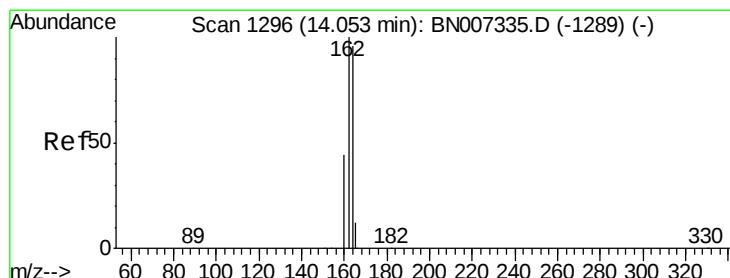
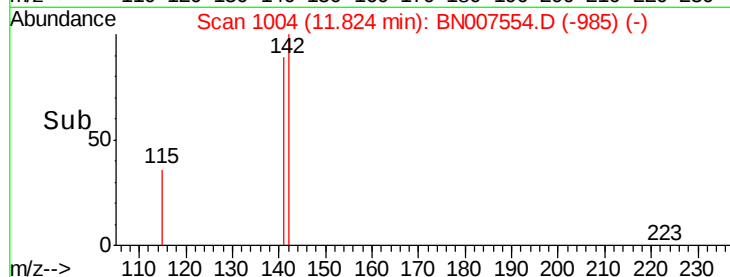
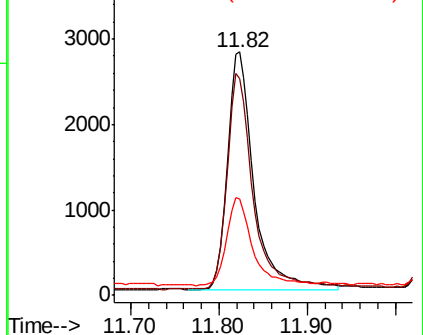
115 39.5 35.2 52.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

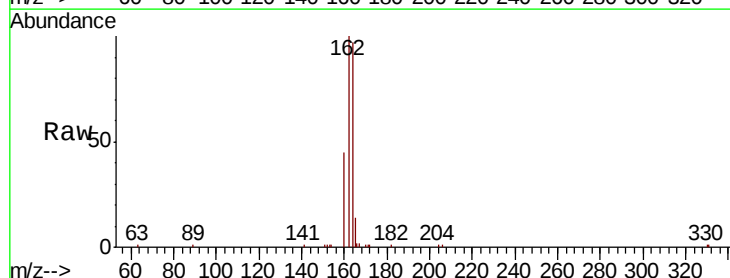
Tgt Ion:164 Resp: 13302

Ion Ratio Lower Upper

164 100

162 102.7 83.5 125.3

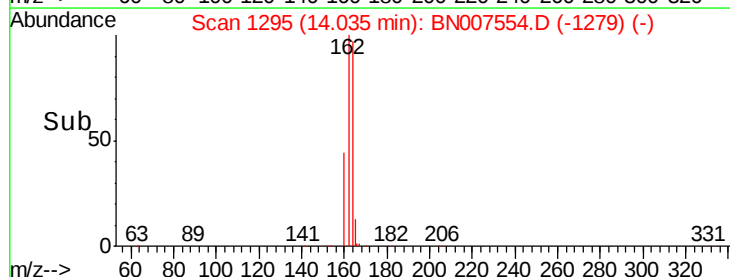
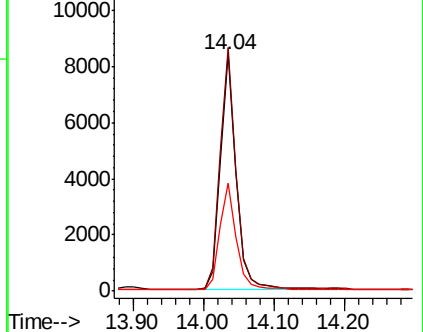
160 45.8 38.2 57.4

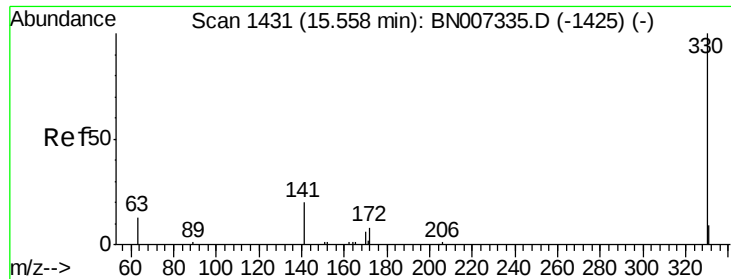


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

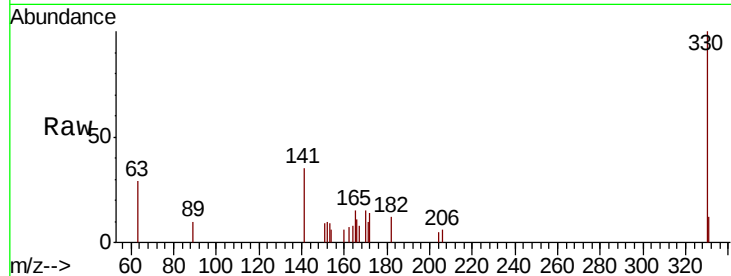




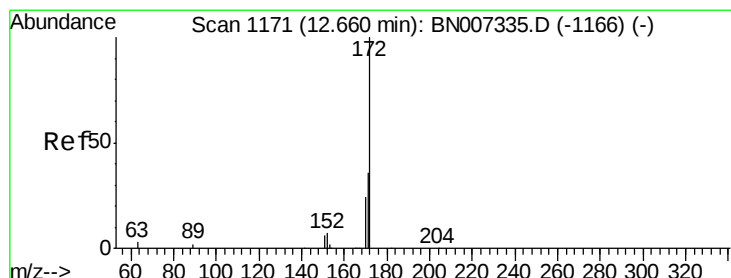
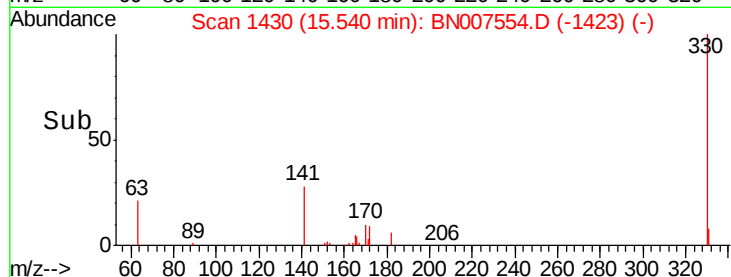
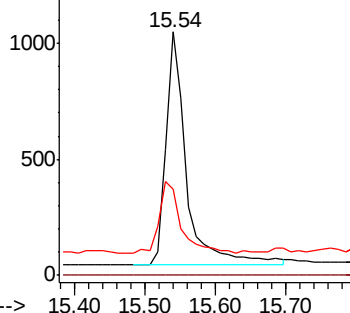
#14
 2,4,6-Tribromophenol
 Concen: 0.298 ng
 RT: 15.54 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BN007554.D
 Acq: 06 Sep 2019 22:36

Instrument :
 BNA_N
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Tot Ion:330 Resp: 2072
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 33.4 26.9 40.3

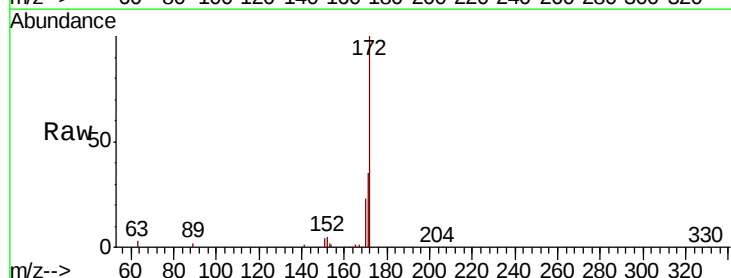


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

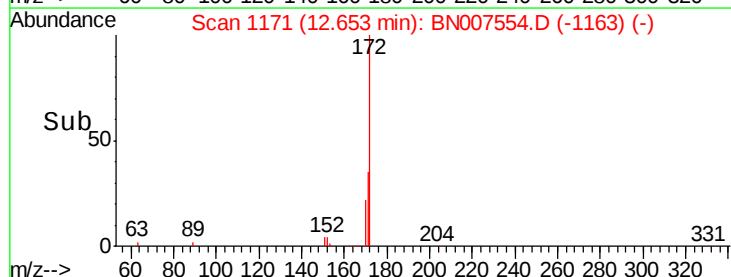
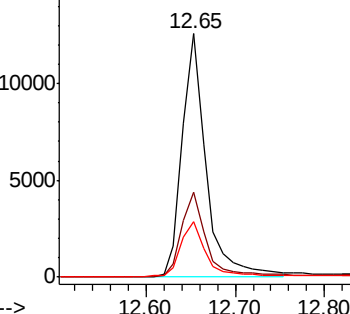


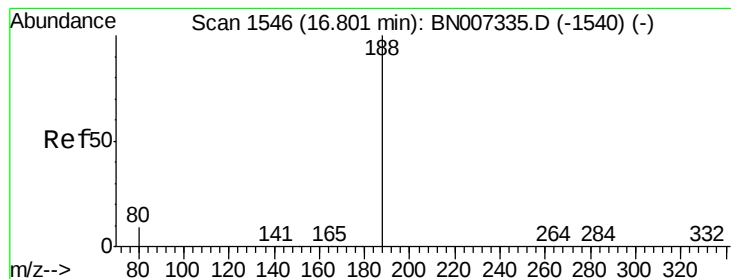
#15
 2-Fluorobiphenyl
 Concen: 0.431 ng
 RT: 12.65 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BN007554.D
 Acq: 06 Sep 2019 22:36

Tgt Ion:172 Resp: 23132
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.3 45.5
 170 22.7 20.7 31.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1545

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-47.0-52.0-090519

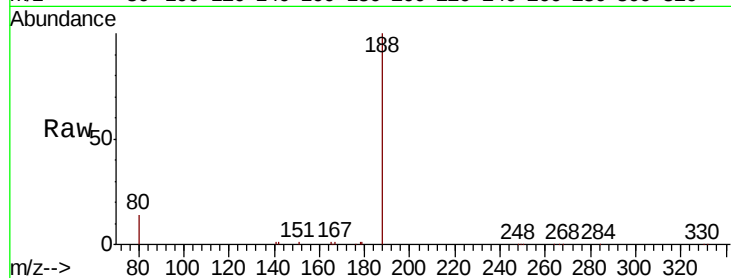
Tot Ion:188 Resp: 29860

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

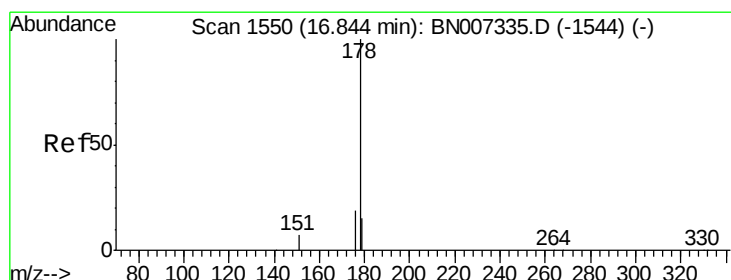
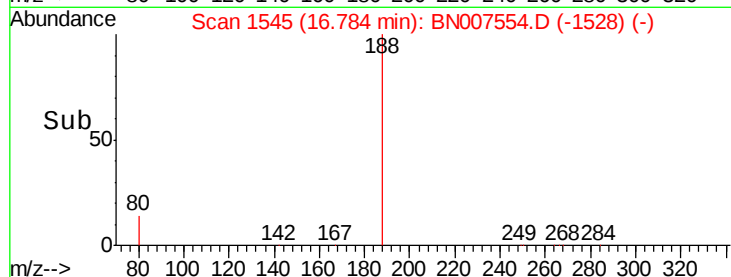
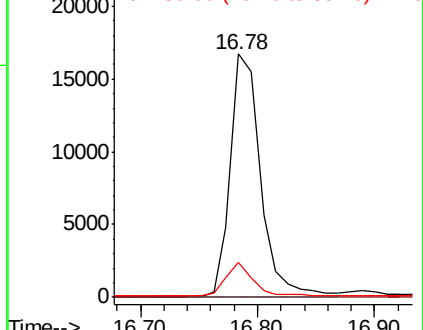
80 14.3 11.8 17.8



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: 0.076 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

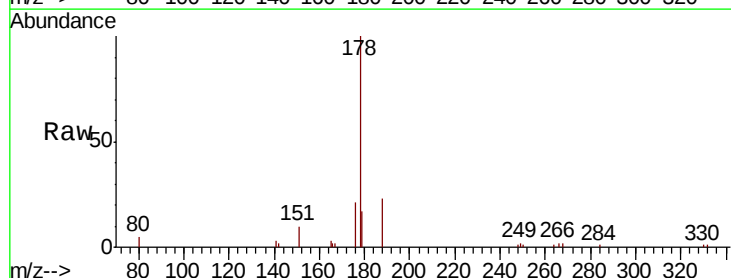
Tgt Ion:178 Resp: 6782

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

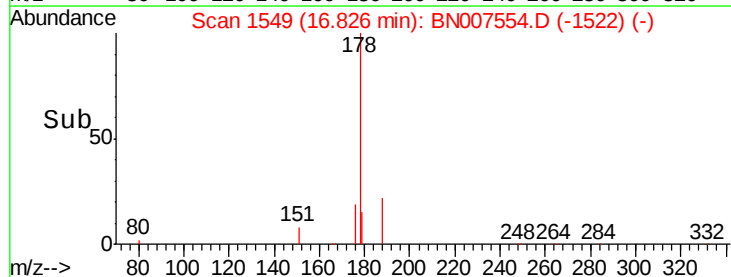
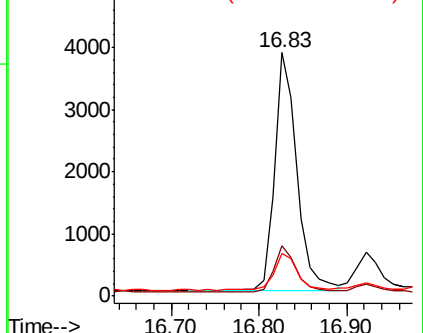
179 16.3 12.6 19.0

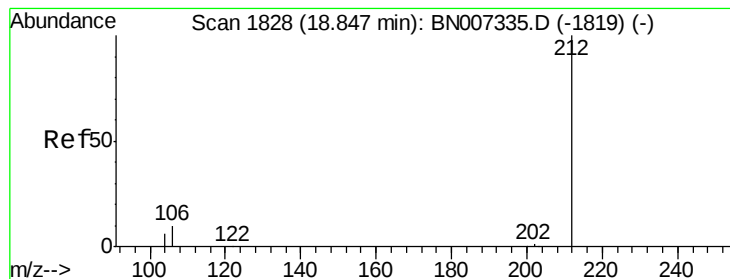


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.382 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-47.0-52.0-090519

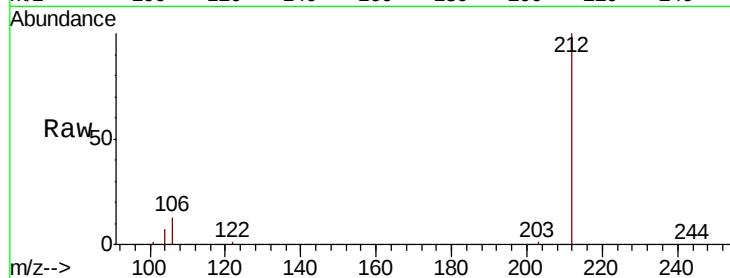
Tot Ion:212 Resp: 36749

Ion Ratio Lower Upper

212 100

106 13.4 9.0 13.4

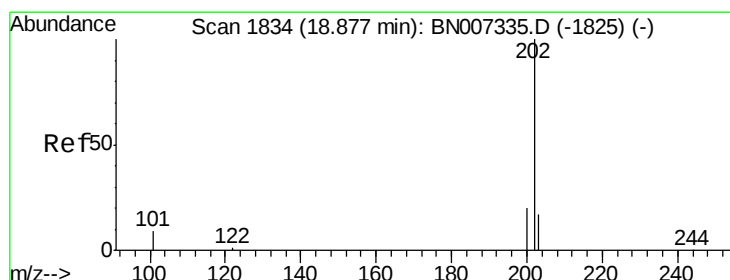
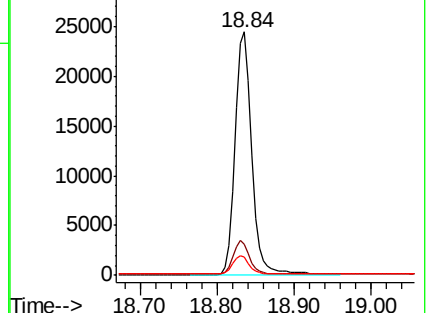
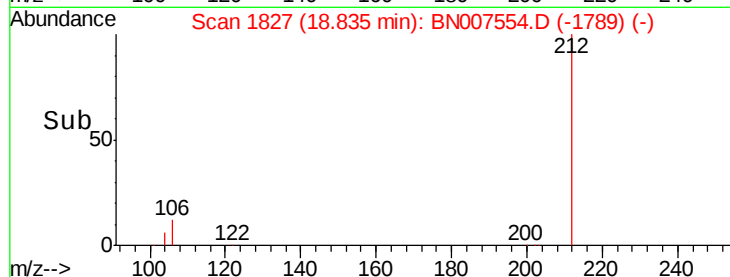
104 7.5 5.4 8.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.028 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

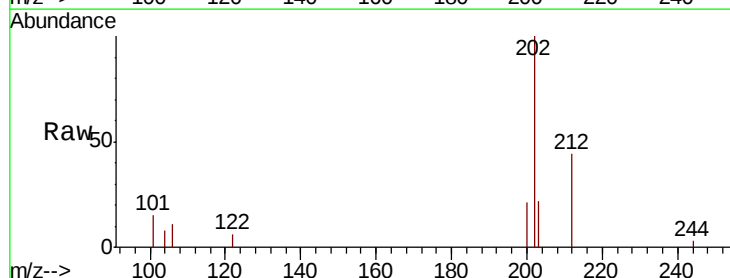
Tgt Ion:202 Resp: 3212

Ion Ratio Lower Upper

202 100

101 13.3 7.7 11.5#

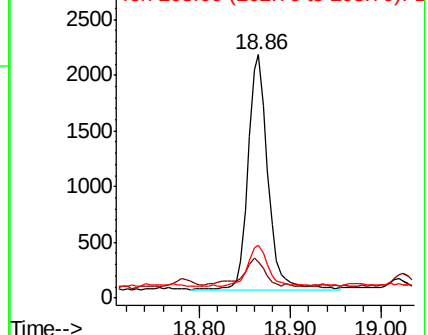
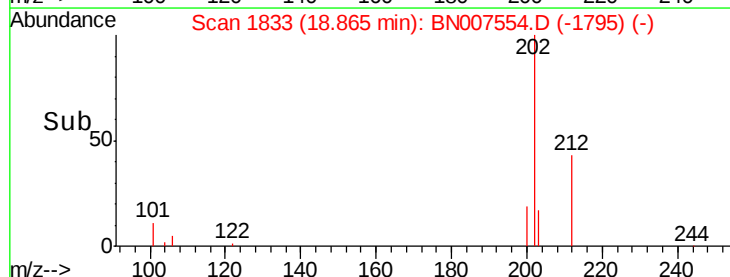
203 18.2 13.7 20.5

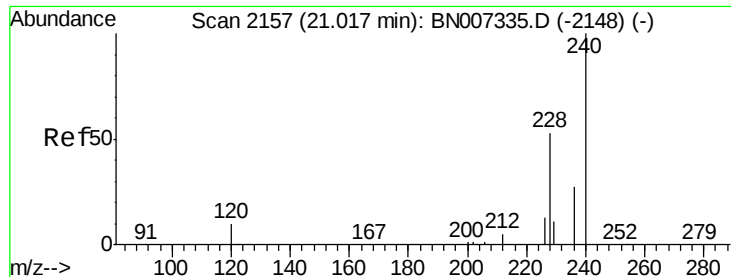


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.00 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-47.0-52.0-090519

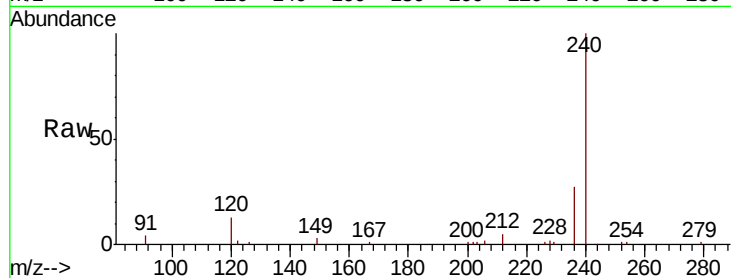
Tot Ion:240 Resp: 30095

Ion Ratio Lower Upper

240 100

120 12.6 9.6 14.4

236 26.8 22.2 33.2

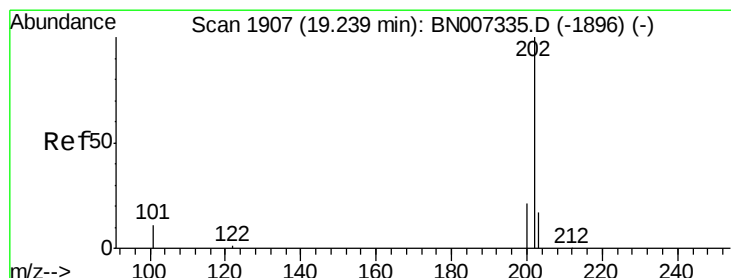
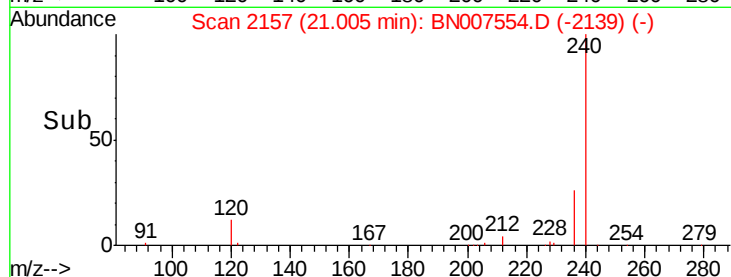
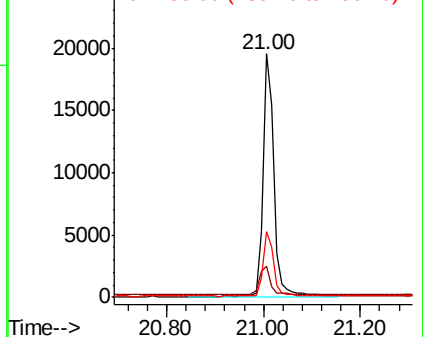


Abundance

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: 0.029 ng

RT: 19.23 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

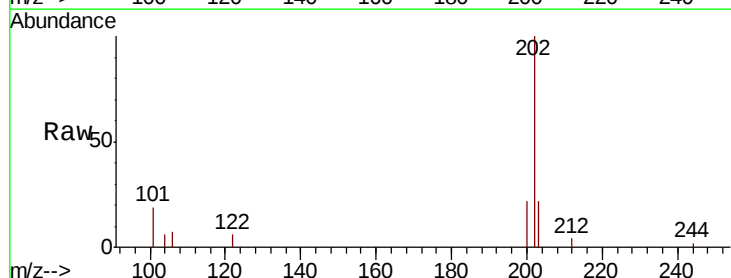
Tgt Ion:202 Resp: 3504

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

203 20.7 14.2 21.4

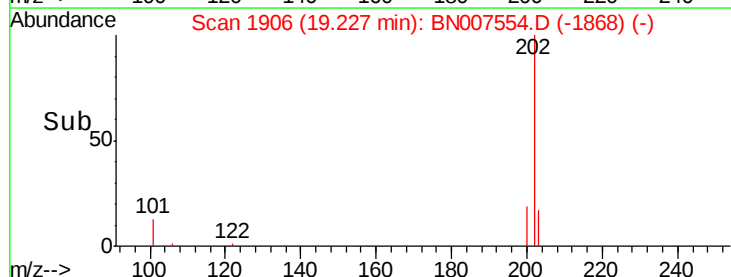
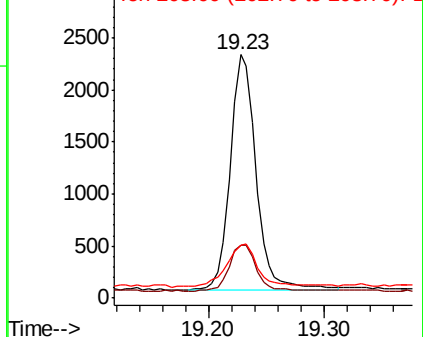


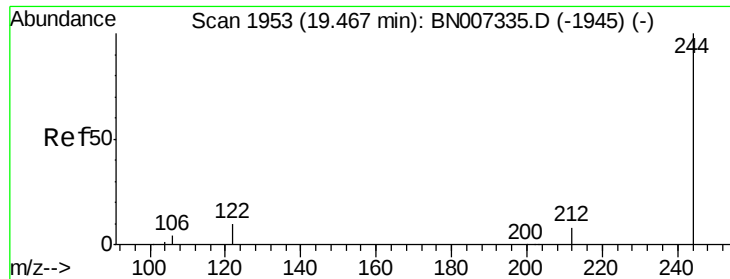
Abundance

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: 0.382 ng

RT: 19.45 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-47.0-52.0-090519

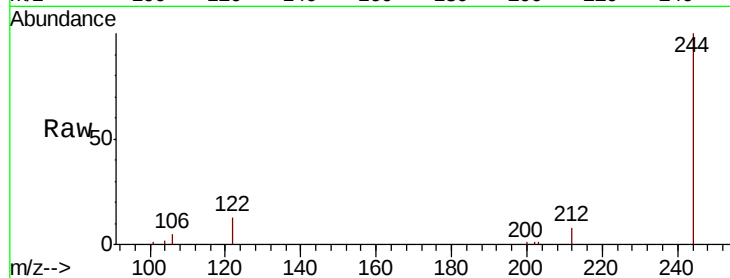
Tot Ion:244 Resp: 30096

Ion Ratio Lower Upper

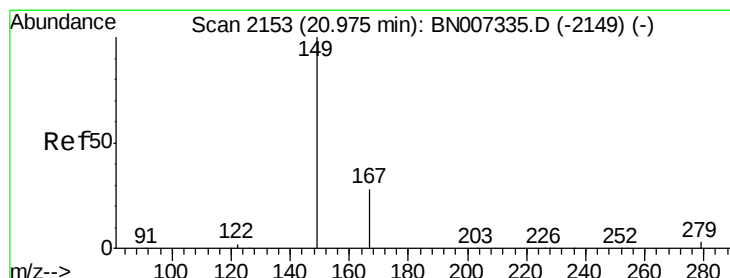
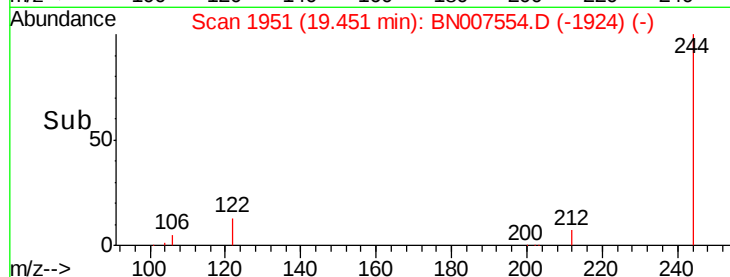
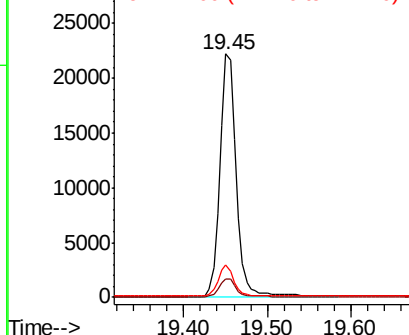
244 100

212 7.7 7.0 10.6

122 13.1 9.6 14.4



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: 0.030 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

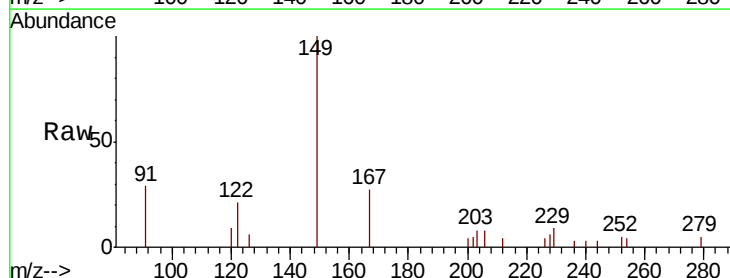
Tgt Ion:149 Resp: 3715

Ion Ratio Lower Upper

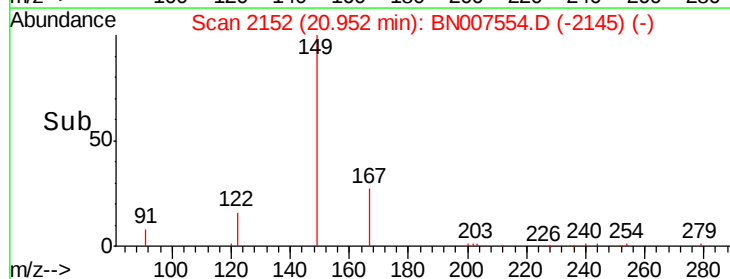
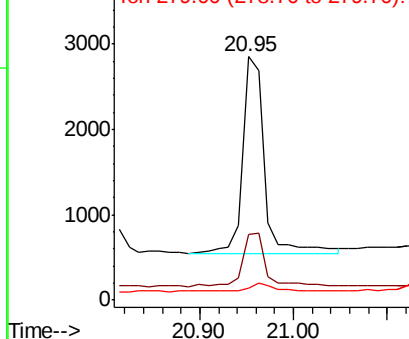
149 100

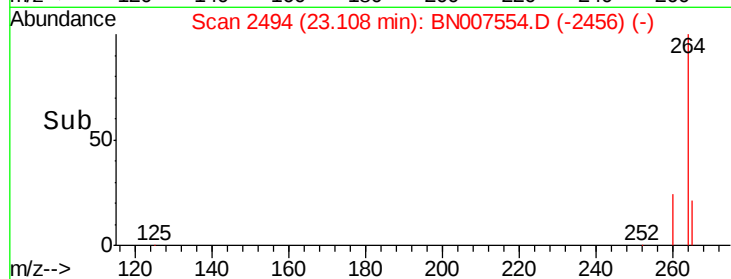
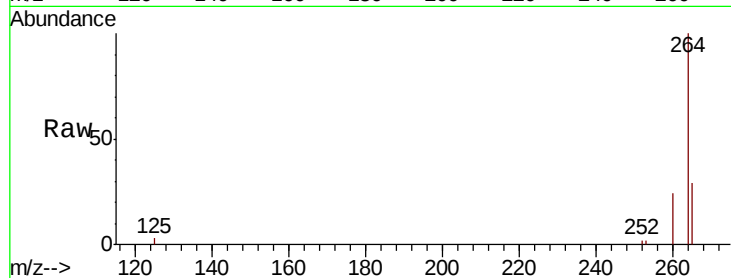
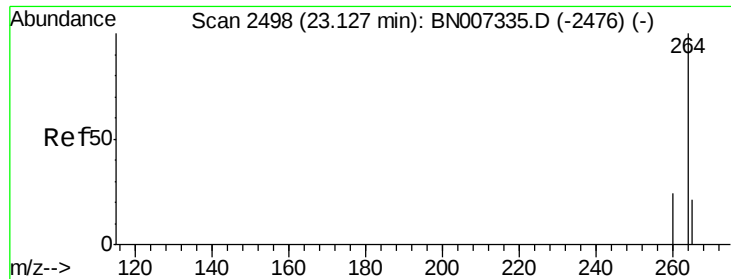
167 29.7 22.8 34.2

279 4.3 3.5 5.3



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: 23.11 min Scan# 2494

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-47.0-52.0-090519

Tot Ion: 264 Resp: 32628

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

265 29.1 29.9 44.9#

