

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
 Data File : BN036820.D
 Acq On : 03 Apr 2025 13:37
 Operator : RC/JU
 Sample : Q1697-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-040125

Quant Time: Apr 03 14:09:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 16:06:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

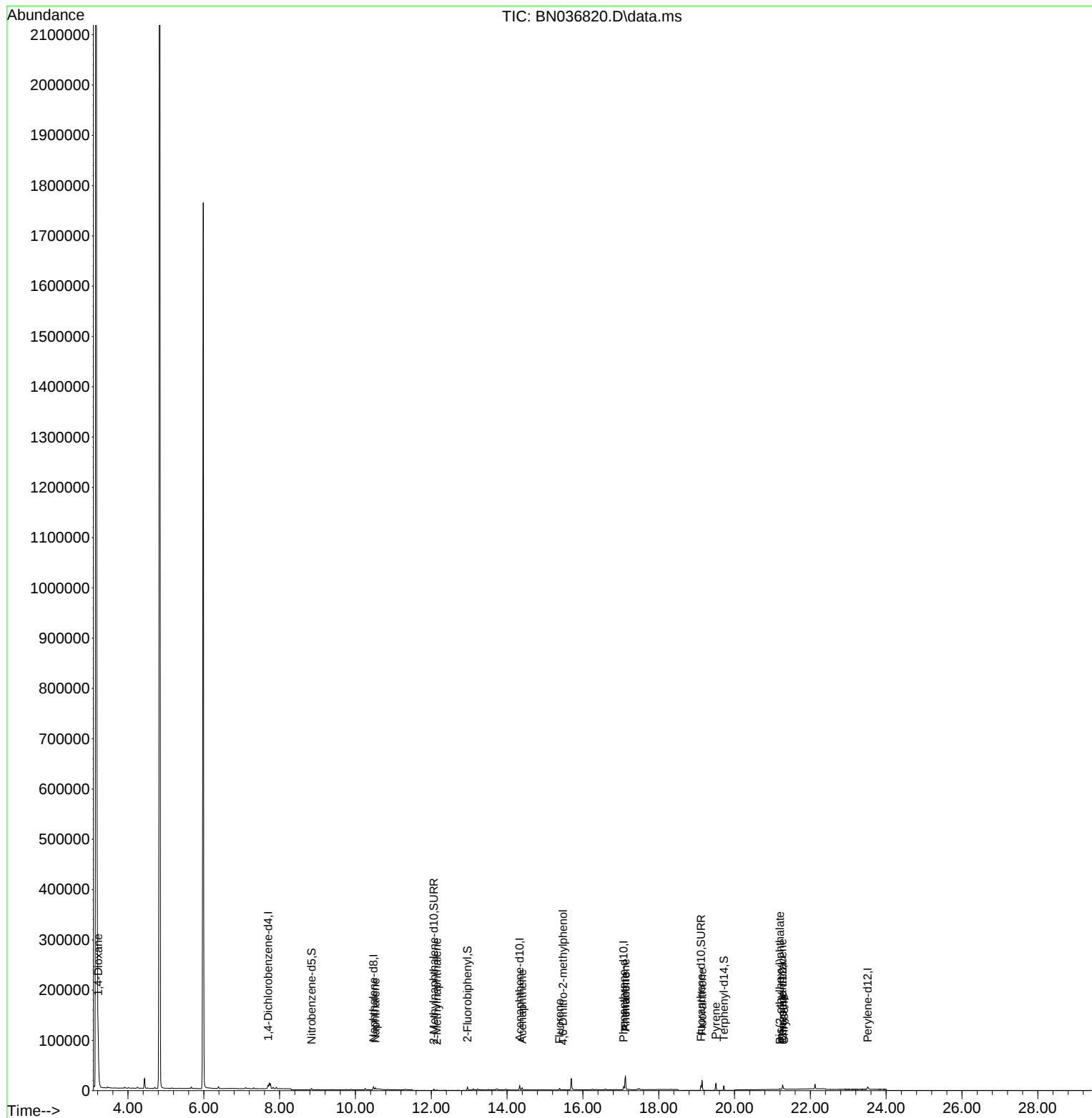
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.696	152	3191	0.400	ng	-0.03
7) Naphthalene-d8	10.477	136	7703	0.400	ng	#-0.03
13) Acenaphthene-d10	14.334	164	4532	0.400	ng	-0.03
19) Phenanthrene-d10	17.074	188	9506	0.400	ng	#-0.04
29) Chrysene-d12	21.268	240	8074	0.400	ng	-0.03
35) Perylene-d12	23.513	264	7150	0.400	ng	#-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	70	0.009	ng	-0.03
5) Phenol-d6	6.879	99	19	0.002	ng	-0.02
8) Nitrobenzene-d5	8.843	82	2283	0.272	ng	-0.03
11) 2-Methylnaphthalene-d10	12.070	152	3723	0.325	ng	-0.04
14) 2,4,6-Tribromophenol	15.833	330	8	0.004	ng	-0.02
15) 2-Fluorobiphenyl	12.953	172	8110	0.308	ng	-0.04
27) Fluoranthene-d10	19.113	212	10192	0.418	ng	-0.03
31) Terphenyl-d14	19.717	244	8517	0.440	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	22726	6.420	ng	99
9) Naphthalene	10.530	128	4412	0.195	ng	97
12) 2-Methylnaphthalene	12.146	142	676	0.047	ng	# 93
17) Acenaphthene	14.398	154	1967	0.141	ng	99
18) Fluorene	15.382	166	2050	0.108	ng	98
20) 4,6-Dinitro-2-methylph...	15.478	198	8	0.149	ng	# 1
25) Phenanthrene	17.124	178	31370	1.100	ng	100
26) Anthracene	17.124	178	31358	1.219	ng	99
28) Fluoranthene	19.146	202	17850	0.557	ng	100
30) Pyrene	19.508	202	12122	0.307	ng	# 94
32) Benzo(a)anthracene	21.259	228	901	0.032	ng	# 89
33) Chrysene	21.304	228	1348	0.044	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.196	149	1663	0.083	ng	# 97

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

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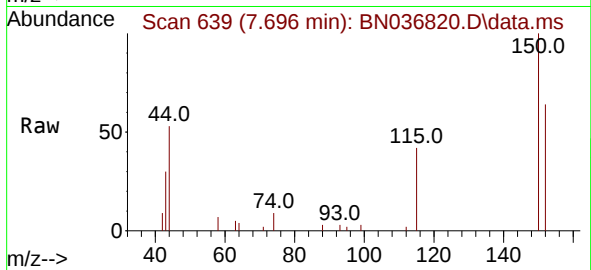
Quant Time: Apr 03 14:09:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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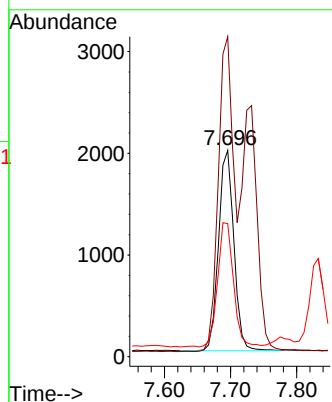
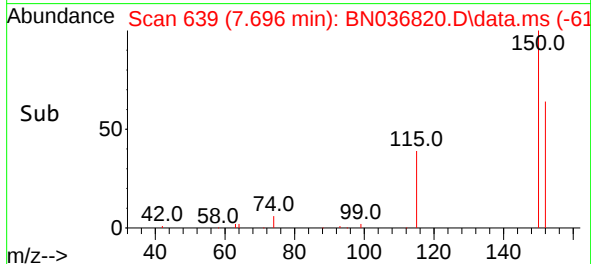


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.696 min Scan# 61
 Delta R.T. -0.028 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

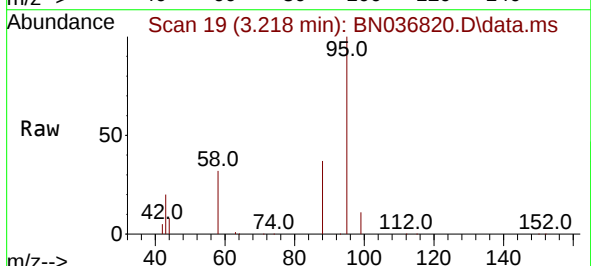
Instrument :
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 ClientSampleId :
 MW-19B-72-040125



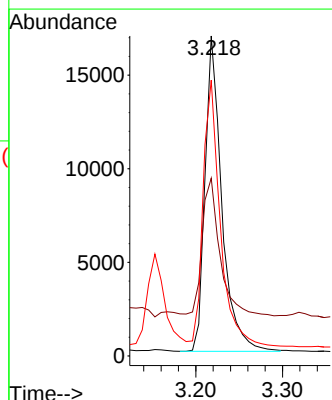
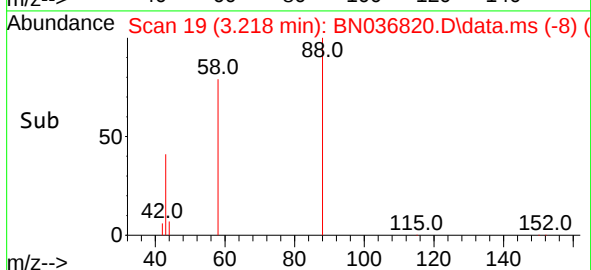
Tgt Ion:152 Resp: 3191
 Ion Ratio Lower Upper
 152 100
 150 155.1 123.7 185.5
 115 64.5 54.3 81.5



#2
 1,4-Dioxane
 Concen: 6.420 ng
 RT: 3.218 min Scan# 19
 Delta R.T. -0.021 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37



Tgt Ion: 88 Resp: 22726
 Ion Ratio Lower Upper
 88 100
 43 46.6 37.8 56.8
 58 85.8 67.4 101.2

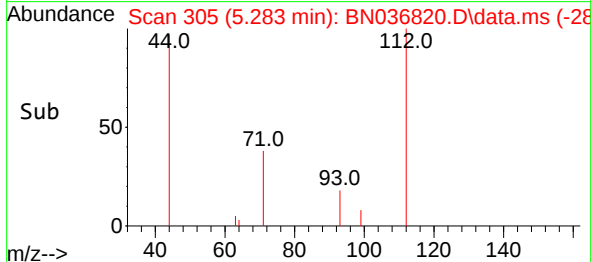
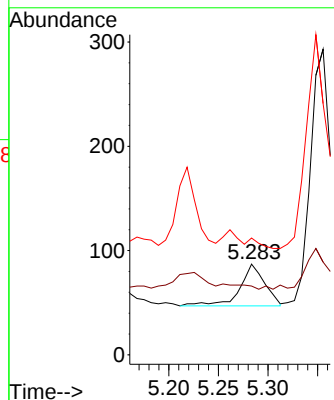
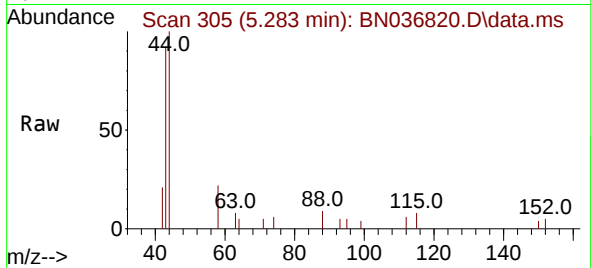




#4
2-Fluorophenol
Concen: 0.009 ng
RT: 5.283 min Scan# 309
Delta R.T. -0.029 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

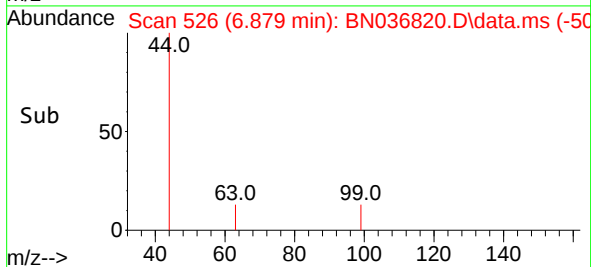
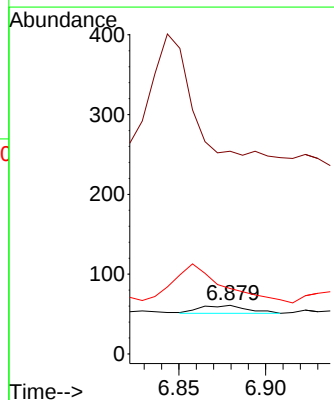
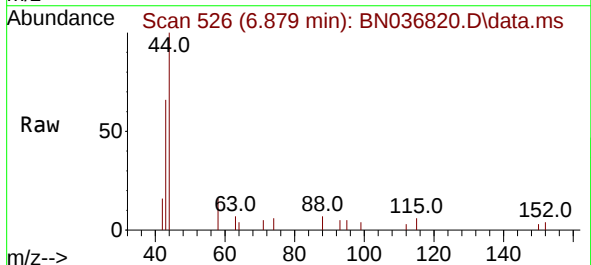
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

Tgt Ion:112 Resp: 70
Ion Ratio Lower Upper
112 100
64 0.0 53.1 79.7#
63 0.0 31.8 47.8#



#5
Phenol-d6
Concen: 0.002 ng
RT: 6.879 min Scan# 526
Delta R.T. -0.021 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion: 99 Resp: 19
Ion Ratio Lower Upper
99 100
42 0.0 26.5 39.7#
71 0.0 34.1 51.1#

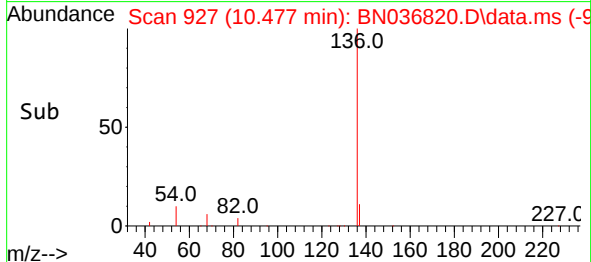
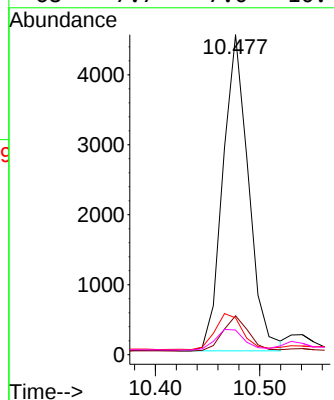
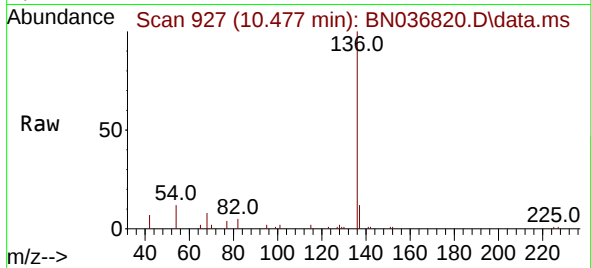




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 91
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

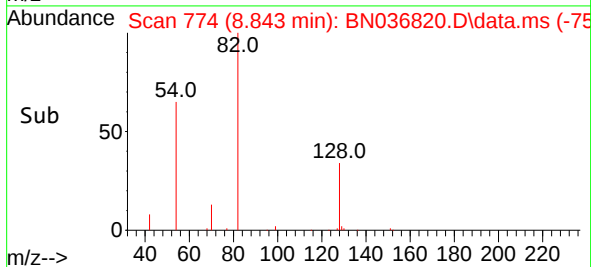
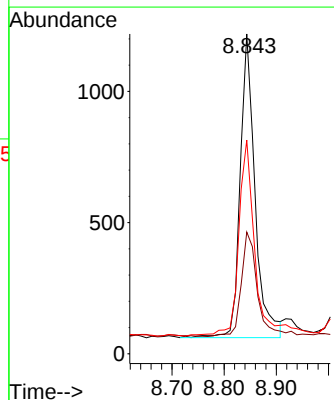
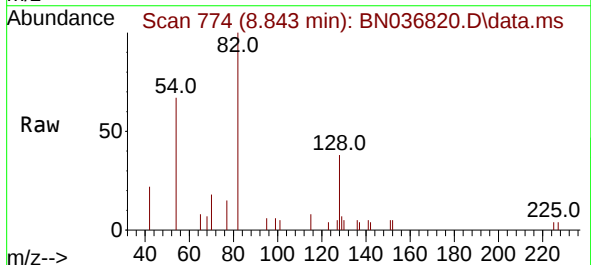
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

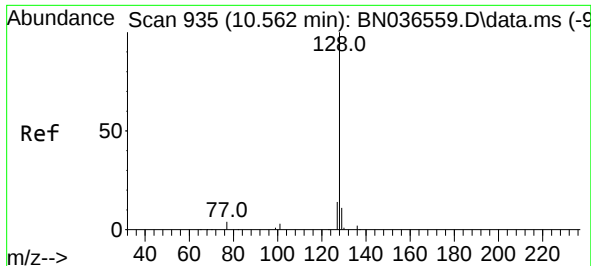
Tgt Ion:	136	Resp:	7703
Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.3	15.5
54	11.5	11.5	17.3#
68	7.7	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.272 ng
RT: 8.843 min Scan# 774
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion:	82	Resp:	2283
Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.6	45.8
54	66.9	52.2	78.4

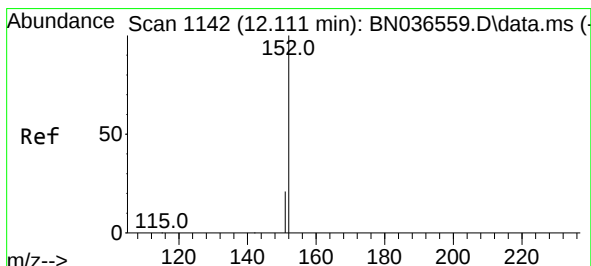
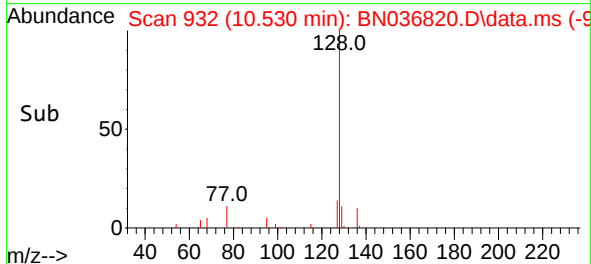
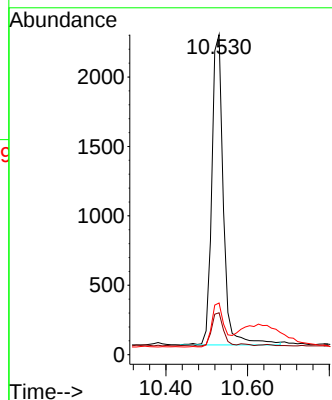
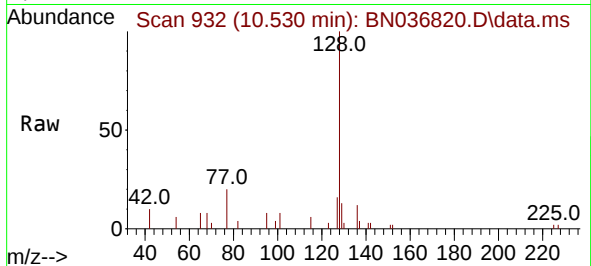




#9
Naphthalene
Concen: 0.195 ng
RT: 10.530 min Scan# 91
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

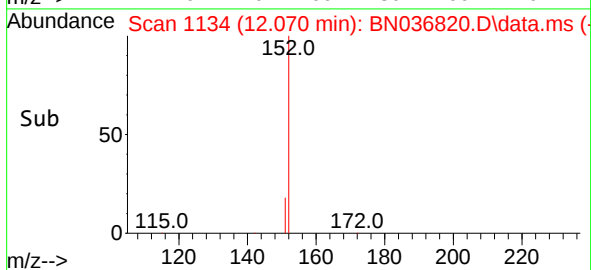
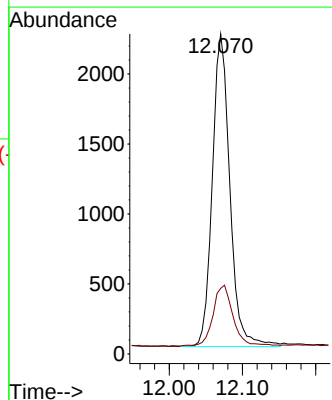
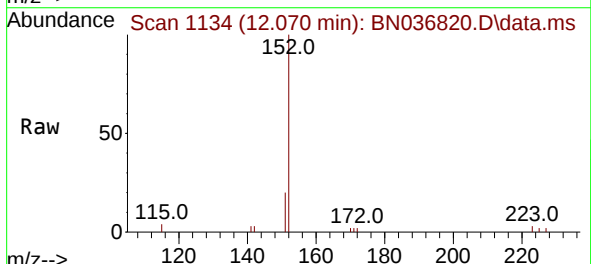
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

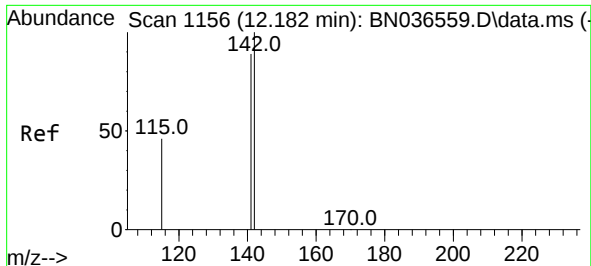
Tgt Ion:128 Resp: 4412
Ion Ratio Lower Upper
128 100
129 13.1 9.8 14.6
127 16.1 11.8 17.8



#11
2-Methylnaphthalene-d10
Concen: 0.325 ng
RT: 12.070 min Scan# 1134
Delta R.T. -0.040 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

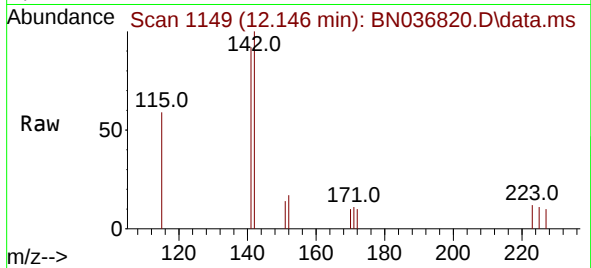
Tgt Ion:152 Resp: 3723
Ion Ratio Lower Upper
152 100
151 22.7 17.0 25.6



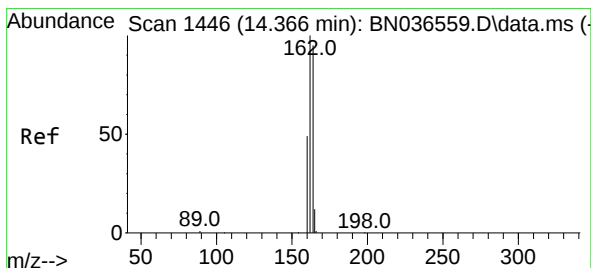
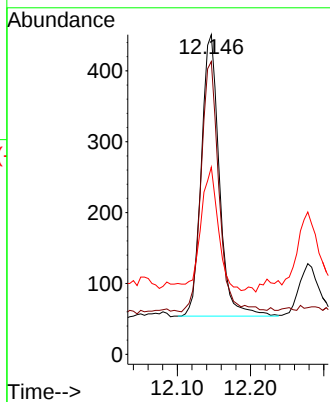
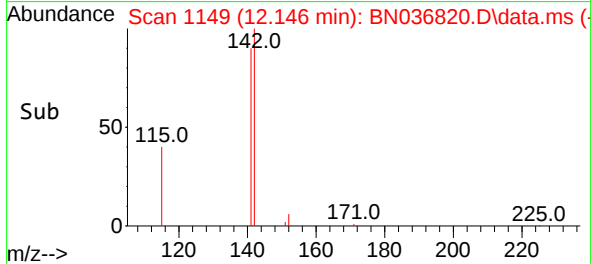


#12
2-Methylnaphthalene
Concen: 0.047 ng
RT: 12.146 min Scan# 1156
Delta R.T. -0.035 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

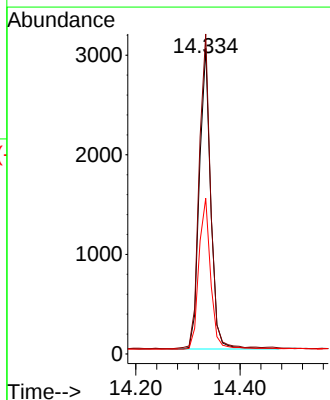
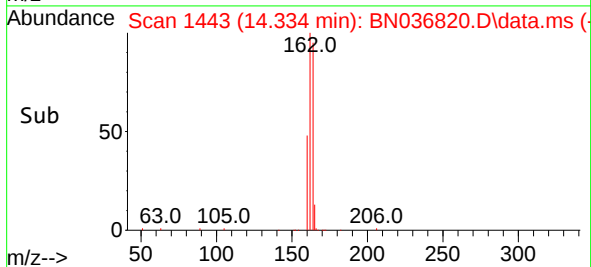
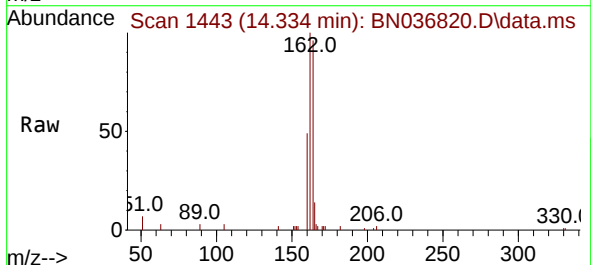


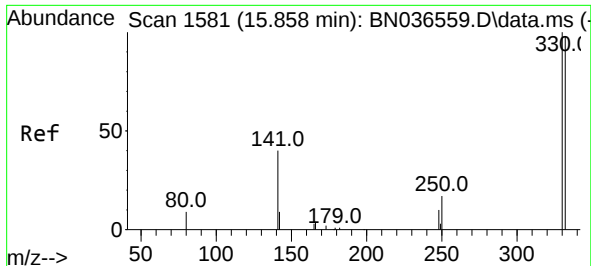
Tgt Ion:142 Resp: 676
Ion Ratio Lower Upper
142 100
141 91.6 71.7 107.5
115 58.5 38.3 57.5#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1443
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

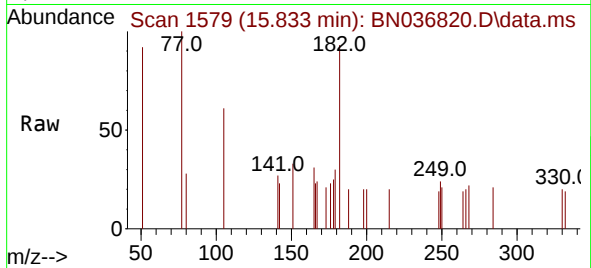
Tgt Ion:164 Resp: 4532
Ion Ratio Lower Upper
164 100
162 104.7 84.2 126.2
160 50.9 42.2 63.2



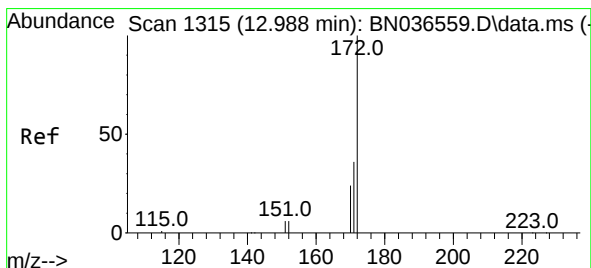
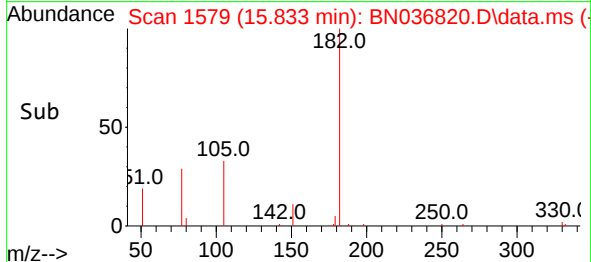
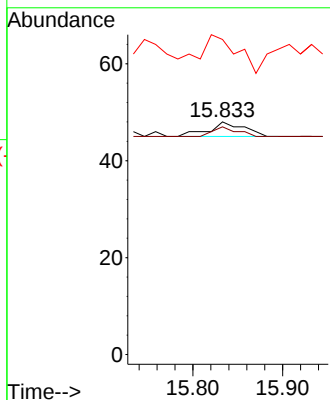


#14
2,4,6-Tribromophenol
Concen: 0.004 ng
RT: 15.833 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Instrument :
BNA_N
ClientSampleId :
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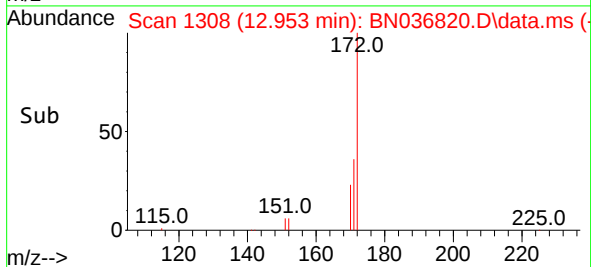
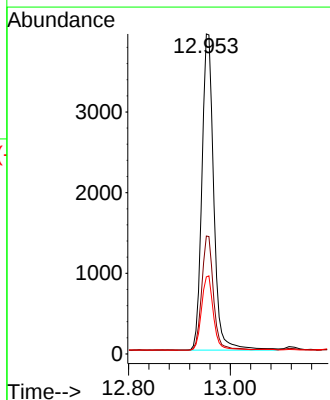
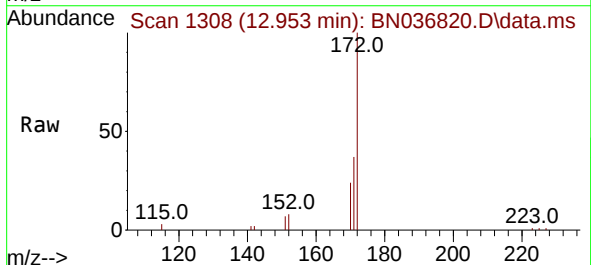


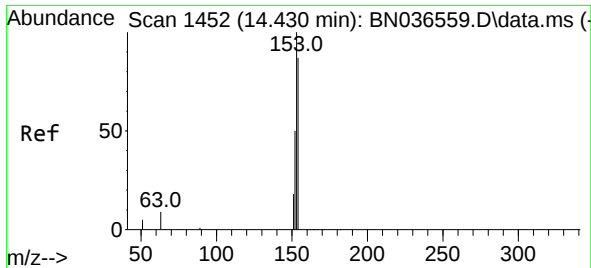
Tgt Ion:330 Resp: 8
Ion Ratio Lower Upper
330 100
332 50.0 75.2 112.8#
141 287.5 43.4 65.2#



#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 12.953 min Scan# 1308
Delta R.T. -0.035 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion:172 Resp: 8110
Ion Ratio Lower Upper
172 100
171 36.8 29.5 44.3
170 24.1 20.2 30.4

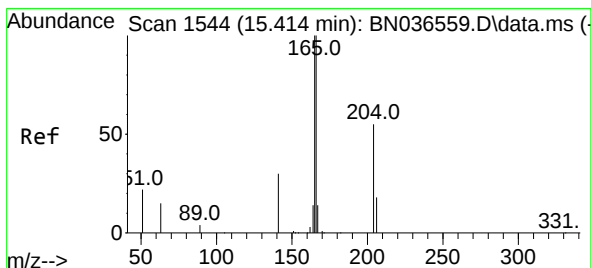
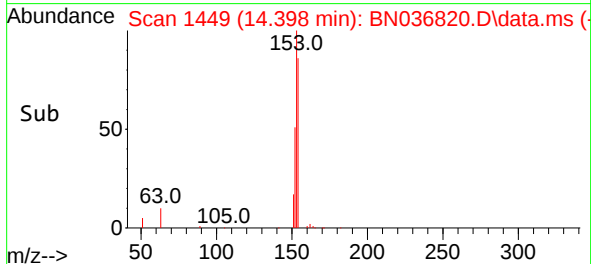
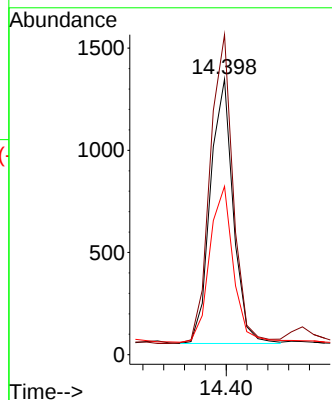
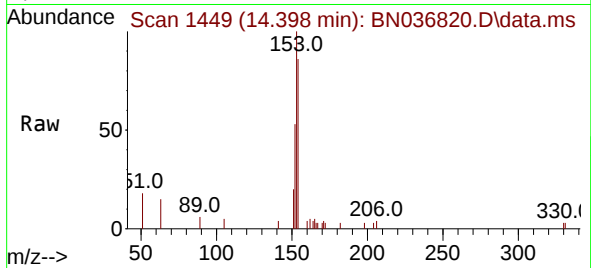




#17
Acenaphthene
Concen: 0.141 ng
RT: 14.398 min Scan# 1449
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

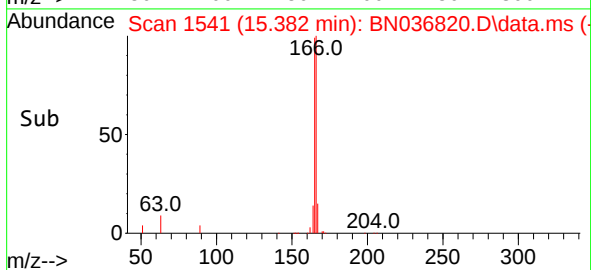
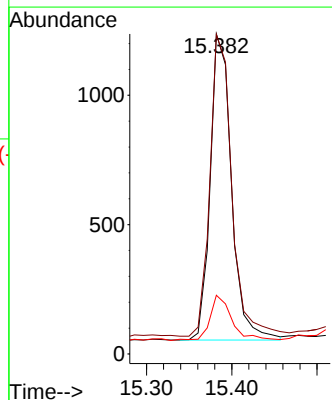
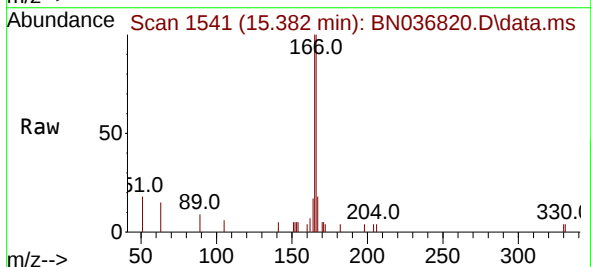
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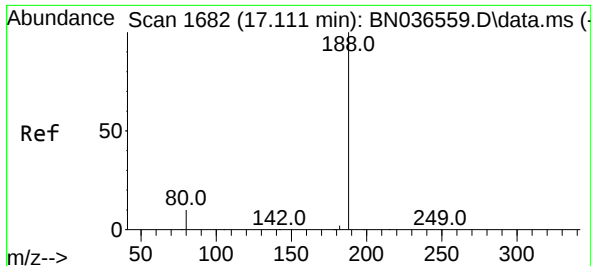
Tgt Ion:154 Resp: 1967
Ion Ratio Lower Upper
154 100
153 118.0 94.1 141.1
152 63.7 49.8 74.6



#18
Fluorene
Concen: 0.108 ng
RT: 15.382 min Scan# 1541
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion:166 Resp: 2050
Ion Ratio Lower Upper
166 100
165 101.3 79.8 119.8
167 15.4 10.6 15.8

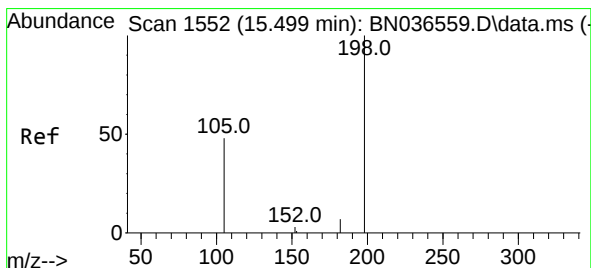
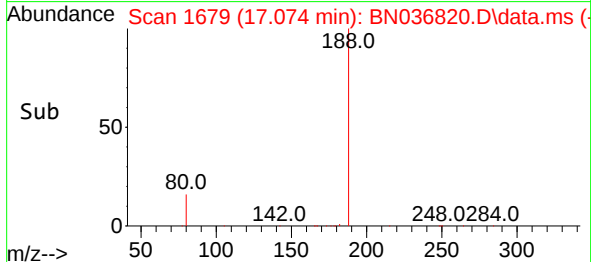
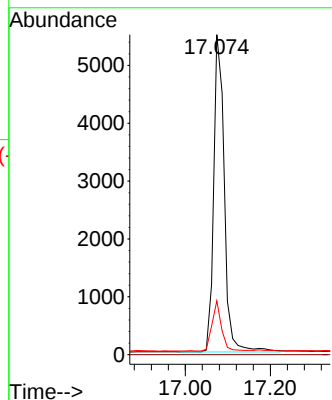
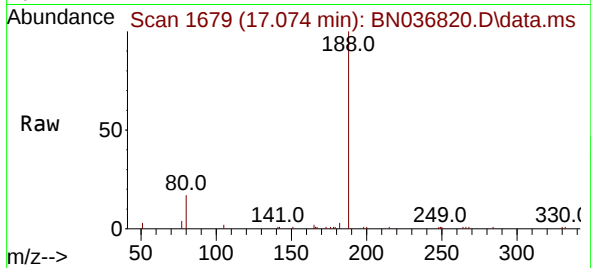




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.074 min Scan# 1
Delta R.T. -0.037 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

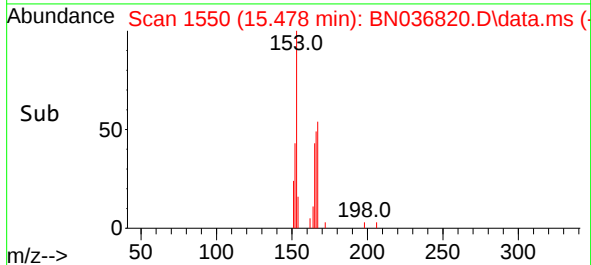
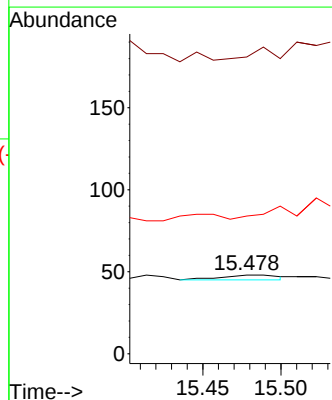
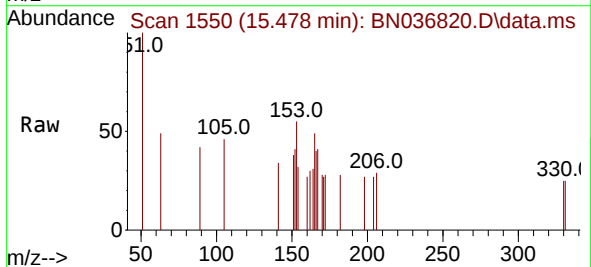
Instrument :
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ClientSampleId :
MW-19B-72-040125

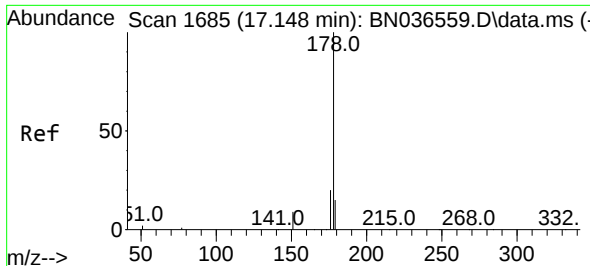
Tgt Ion:188 Resp: 9506
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.9 8.8 13.2#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.149 ng
RT: 15.478 min Scan# 1550
Delta R.T. -0.021 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion:198 Resp: 8
Ion Ratio Lower Upper
198 100
51 377.1 107.9 161.9#
105 175.0 56.2 84.2#

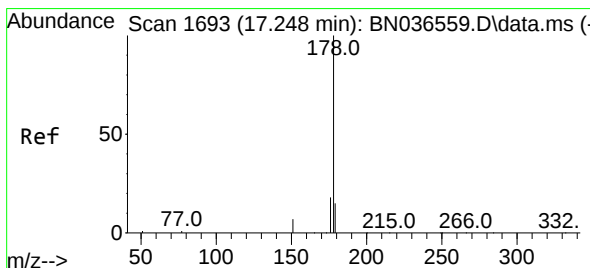
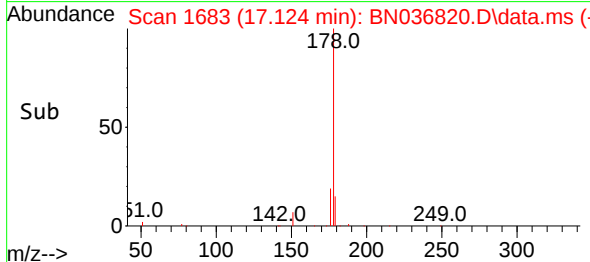
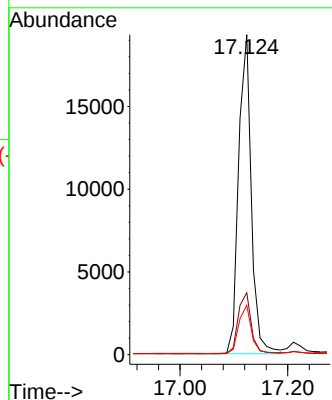
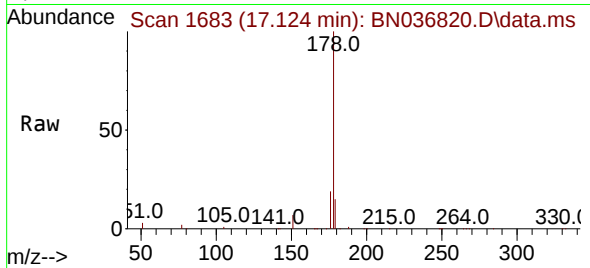




#25
Phenanthrene
Concen: 1.100 ng
RT: 17.124 min Scan# 1683
Delta R.T. -0.025 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

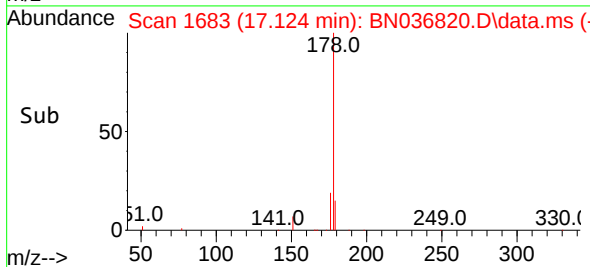
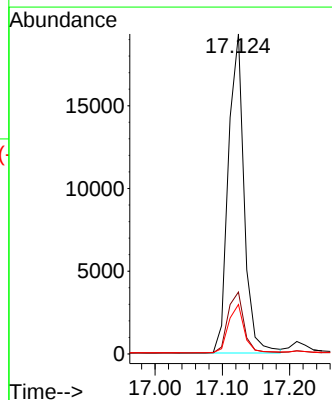
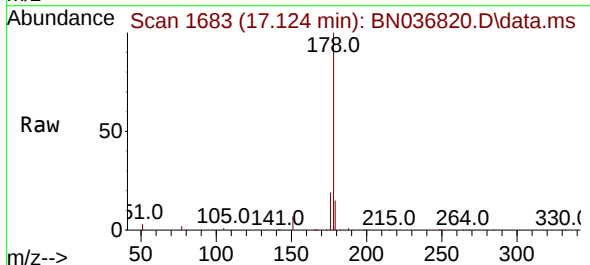
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

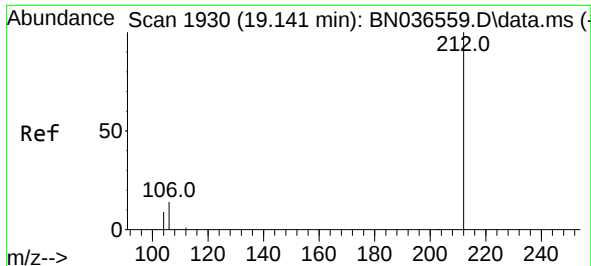
Tgt Ion:178 Resp: 31370
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.2 12.2 18.4



#26
Anthracene
Concen: 1.219 ng
RT: 17.124 min Scan# 1683
Delta R.T. -0.124 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion:178 Resp: 31358
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.2 12.6 18.8

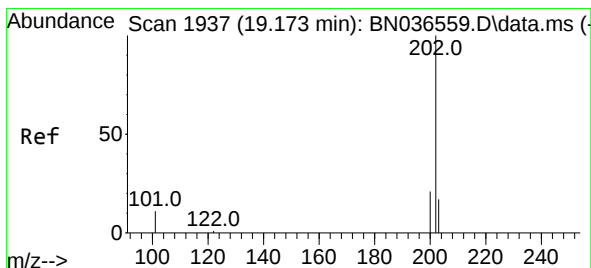
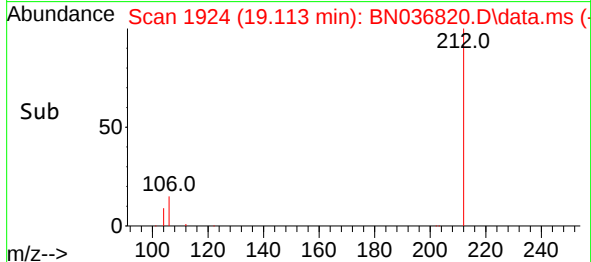
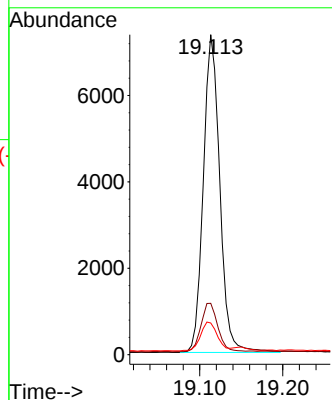
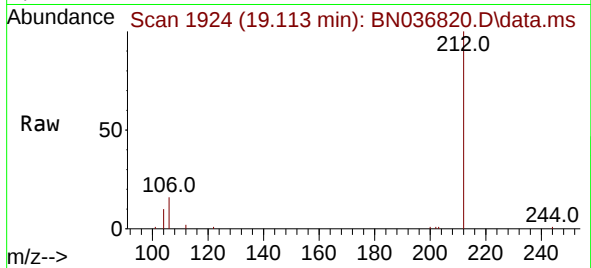




#27
Fluoranthene-d10
Concen: 0.418 ng
RT: 19.113 min Scan# 1912
Delta R.T. -0.028 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

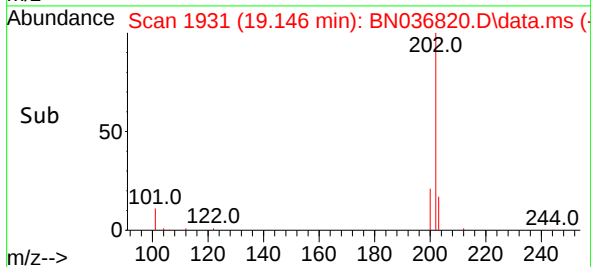
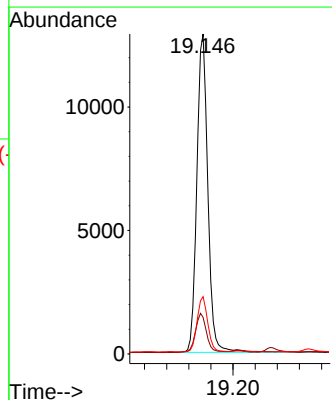
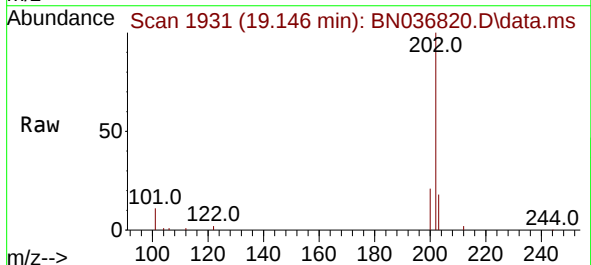
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

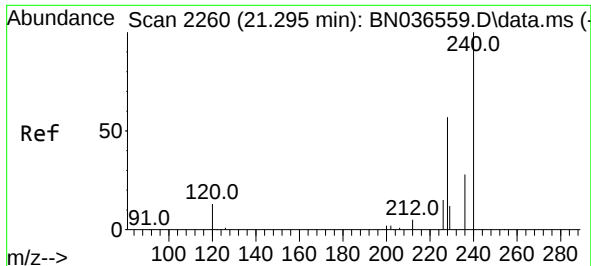
Tgt Ion:212 Resp: 10192
Ion Ratio Lower Upper
212 100
106 15.7 11.8 17.6
104 9.2 7.3 10.9



#28
Fluoranthene
Concen: 0.557 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.028 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion:202 Resp: 17850
Ion Ratio Lower Upper
202 100
101 12.1 9.4 14.0
203 16.9 13.5 20.3

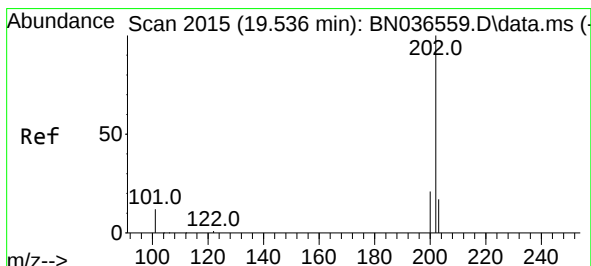
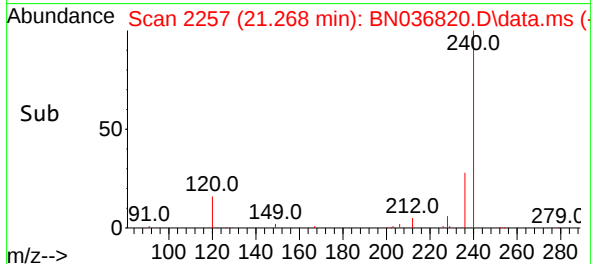
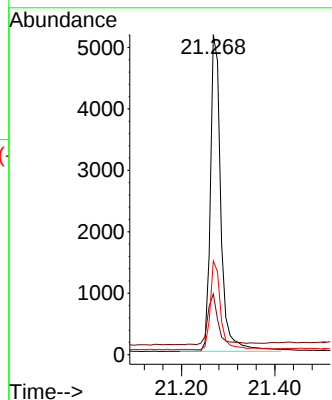
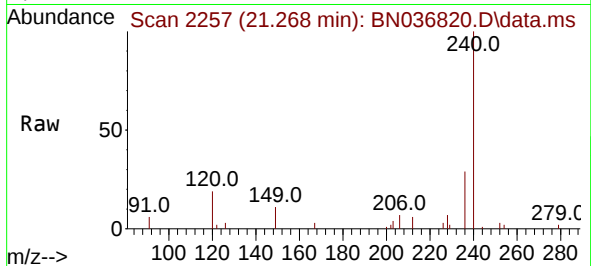




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 21
Delta R.T. -0.027 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

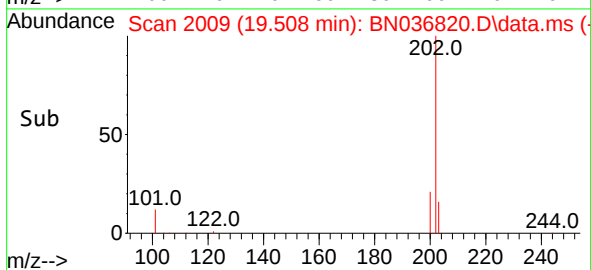
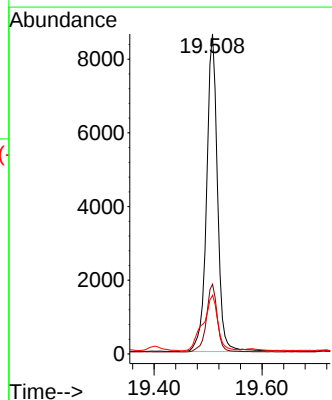
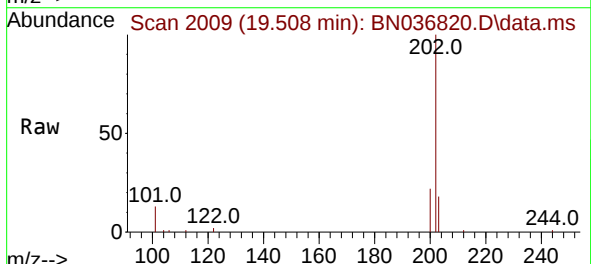
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

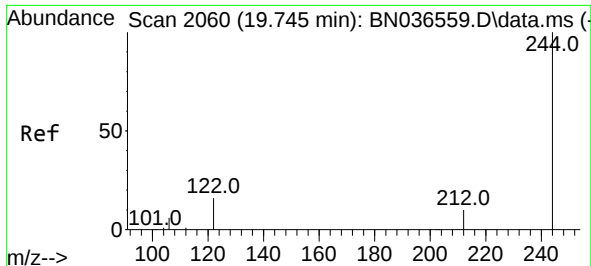
Tgt Ion:240 Resp: 8074
Ion Ratio Lower Upper
240 100
120 19.0 14.6 22.0
236 29.3 24.1 36.1



#30
Pyrene
Concen: 0.307 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.028 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion:202 Resp: 12122
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 23.6 14.1 21.1#

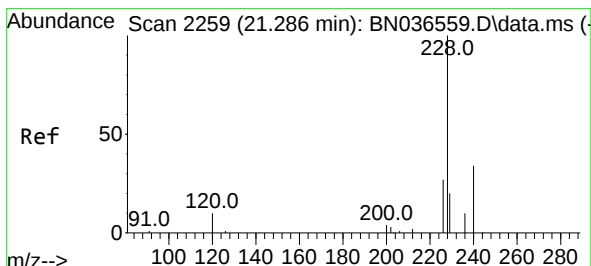
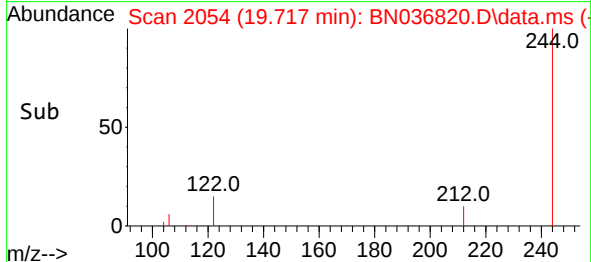
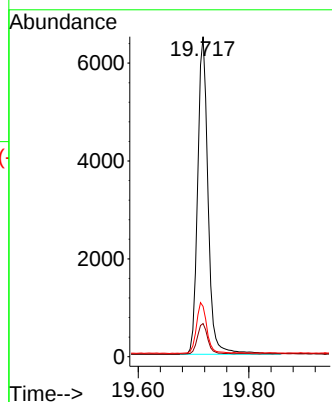
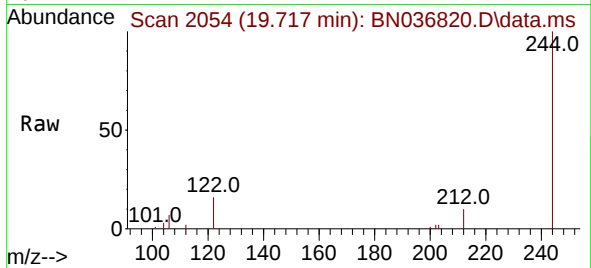




#31
 Terphenyl-d14
 Concen: 0.440 ng
 RT: 19.717 min Scan# 2060
 Delta R.T. -0.028 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

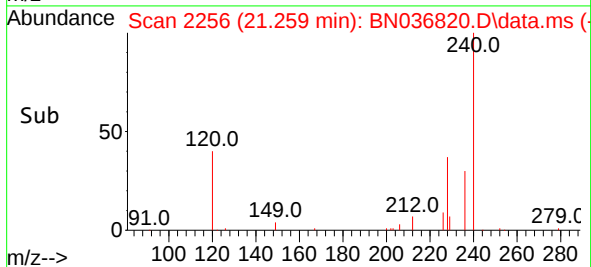
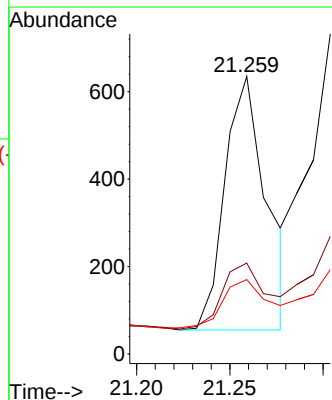
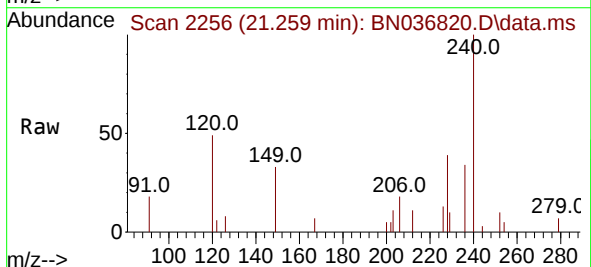
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-040125

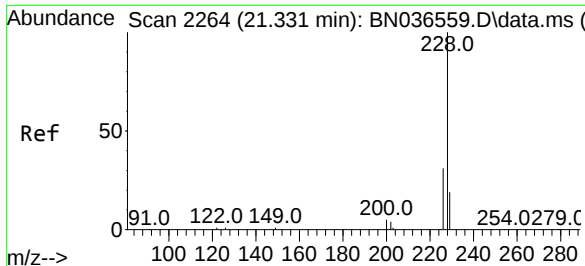
Tgt Ion:244 Resp: 8517
 Ion Ratio Lower Upper
 244 100
 212 10.4 9.6 14.4
 122 15.7 13.9 20.9



#32
 Benzo(a)anthracene
 Concen: 0.032 ng
 RT: 21.259 min Scan# 2256
 Delta R.T. -0.027 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

Tgt Ion:228 Resp: 901
 Ion Ratio Lower Upper
 228 100
 226 32.8 22.5 33.7
 229 26.8 16.6 25.0#





#33

Chrysene

Concen: 0.044 ng

RT: 21.304 min Scan# 21

Delta R.T. -0.027 min

Lab File: BN036820.D

Acq: 03 Apr 2025 13:37

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-040125

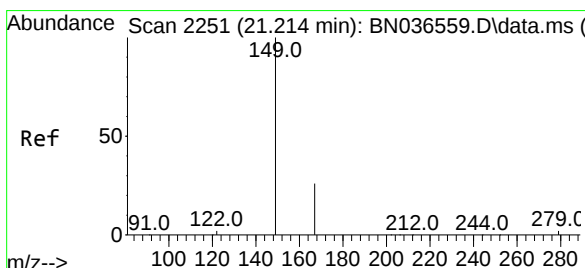
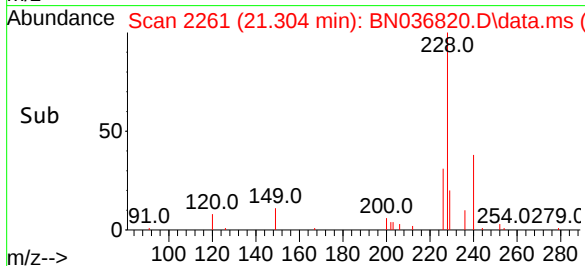
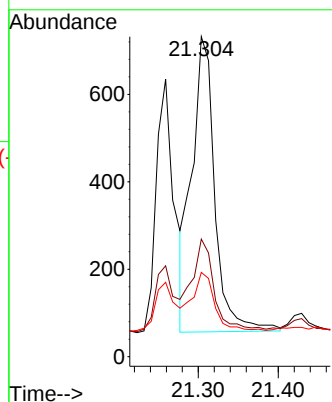
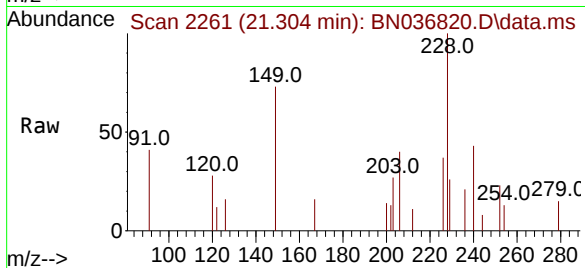
Tgt Ion:228 Resp: 1348

Ion Ratio Lower Upper

228 100

226 36.7 25.3 37.9

229 26.4 15.8 23.8#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.083 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.018 min

Lab File: BN036820.D

Acq: 03 Apr 2025 13:37

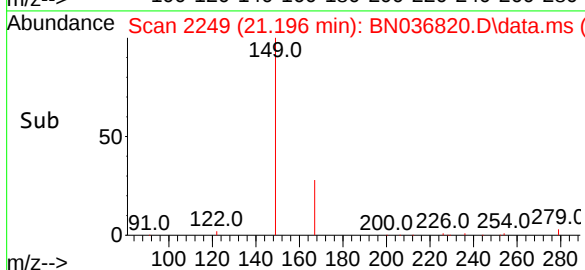
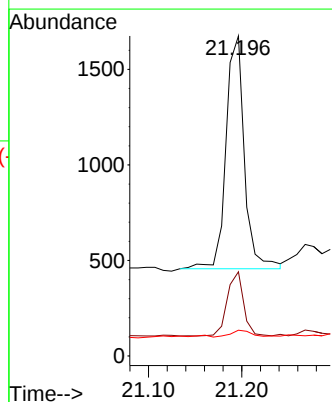
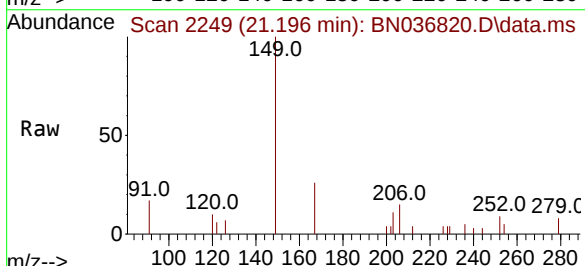
Tgt Ion:149 Resp: 1663

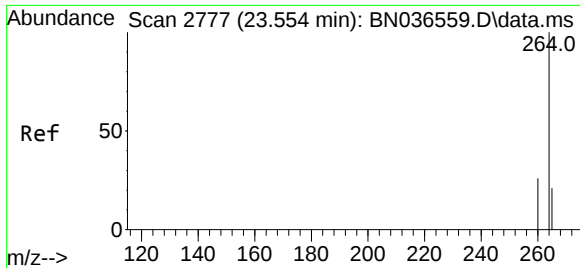
Ion Ratio Lower Upper

149 100

167 24.5 20.7 31.1

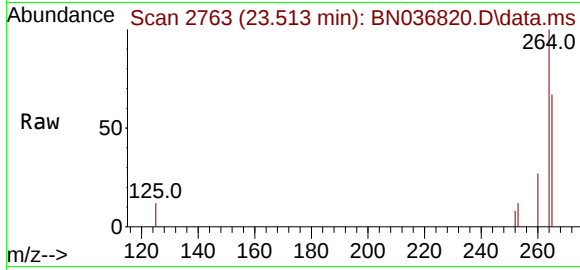
279 3.2 3.6 5.4#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.513 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion:264 Resp: 7150
 Ion Ratio Lower Upper
 264 100
 260 26.5 22.6 33.8
 265 66.7 88.1 132.1#

