

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101020\
 Data File : BN012141.D
 Acq On : 10 Oct 2020 02:20
 Operator : CG/JU
 Sample : L4324-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 UST-CONTENT-LIQUID

Quant Time: Oct 10 05:14:04 2020
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 18:10:29 2020
 Response via : Initial Calibration

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

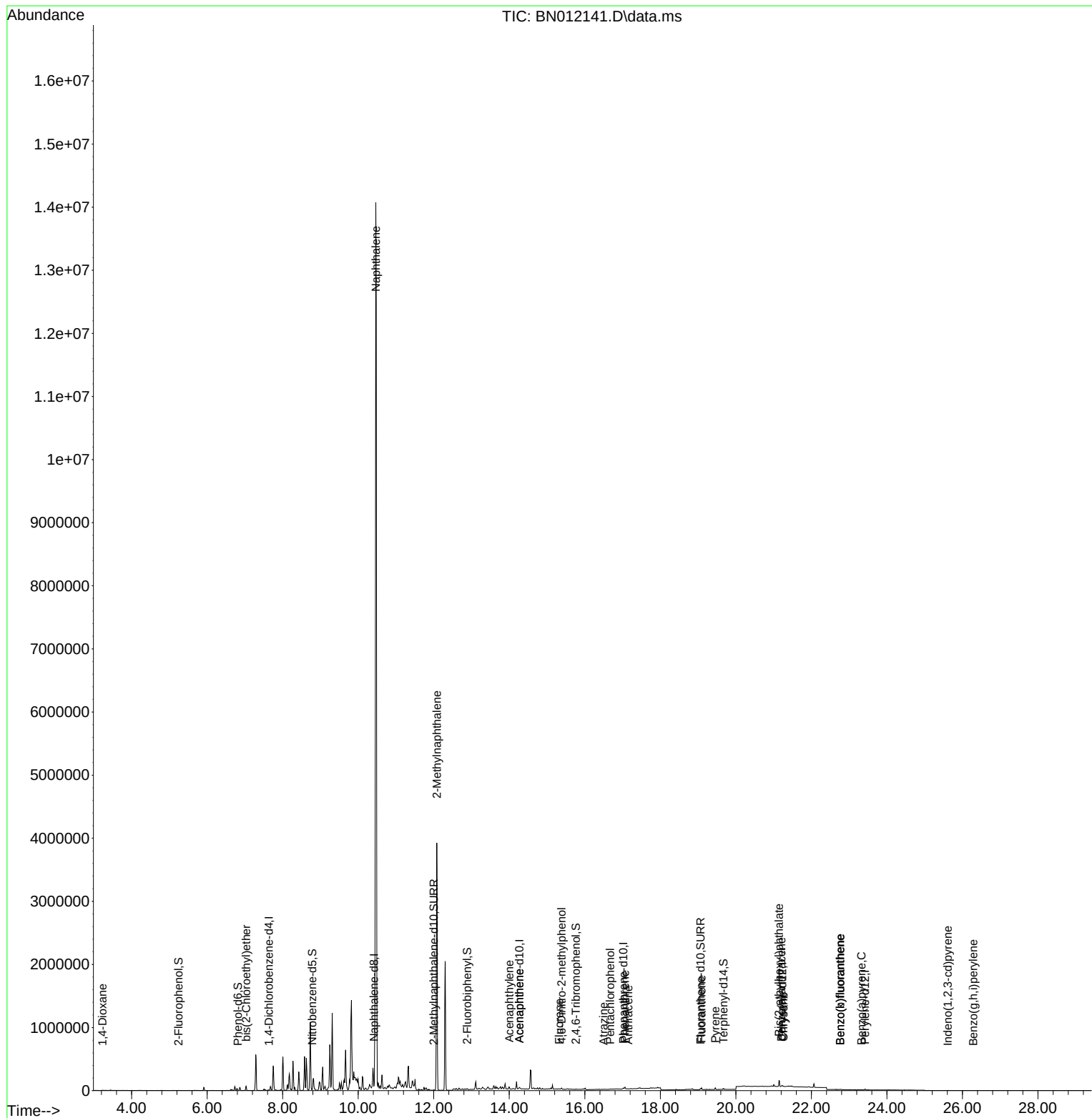
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.635	152	2148	0.40	ng	0.00
7) Naphthalene-d8	10.415	136	11957	0.40	ng	# 0.00
13) Acenaphthene-d10	14.268	164	9585	0.40	ng	-0.01
19) Phenanthrene-d10	17.017	188	17001	0.40	ng	#-0.01
29) Chrysene-d12	21.227	240	16347	0.40	ng	# 0.00
36) Perylene-d12	23.422	264	15836	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.243	112	978	0.13	ng	0.00
5) Phenol-d6	6.813	99	978	0.10	ng	0.00
8) Nitrobenzene-d5	8.780	82	3721	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.002	152	8360	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.765	330	1587	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.885	172	9698	0.27	ng	-0.01
27) Fluoranthene-d10	19.062	212	16702	0.33	ng	0.00
31) Terphenyl-d14	19.668	244	16342	0.44	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.229	88	6207	1.66	ng	# 75
6) bis(2-Chloroethyl)ether	7.031	93	3874	0.48	ng	# 1
9) Naphthalene	10.466	128	15629657	456.26	ng	98
12) 2-Methylnaphthalene	12.082	142	2646334	121.49	ng	99
16) Acenaphthylene	14.002	152	4231	0.09	ng	# 1
17) Acenaphthene	14.268	154	5398	0.17	ng	# 39
18) Fluorene	15.321	166	3179	0.08	ng	# 85
20) 4,6-Dinitro-2-methylph...	15.385	198	215	0.07	ng	# 1
23) Atrazine	16.494	200	993	0.12	ng	# 1
24) Pentachlorophenol	16.676	266	409	0.08	ng	89
25) Phenanthrene	17.066	178	33162	0.64	ng	# 90
26) Anthracene	17.151	178	2350	0.05	ng	# 80
28) Fluoranthene	19.092	202	26739	0.46	ng	# 93
30) Pyrene	19.454	202	24182	0.40	ng	95
32) Benzo(a)anthracene	21.206	228	5918	0.11	ng	# 46
33) Chrysene	21.259	228	7696	0.14	ng	# 56
34) Bis(2-ethylhexyl)phtha...	21.142	149	99383	2.68	ng	# 92
35) Indeno(1,2,3-cd)pyrene	25.613	276	1367	0.02	ng	# 77
37) Benzo(b)fluoranthene	22.765	252	5131	0.09	ng	# 1
38) Benzo(k)fluoranthene	22.765	252	5131	0.09	ng	# 1
39) Benzo(a)pyrene	23.323	252	1973	0.04	ng	# 1
41) Benzo(g,h,i)perylene	26.287	276	1682	0.03	ng	# 7

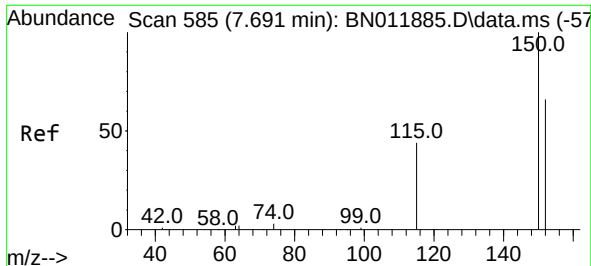
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 09 18:10:29 2020
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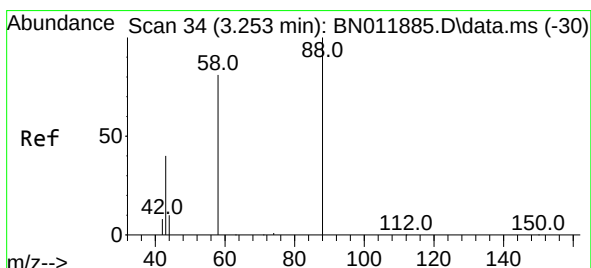
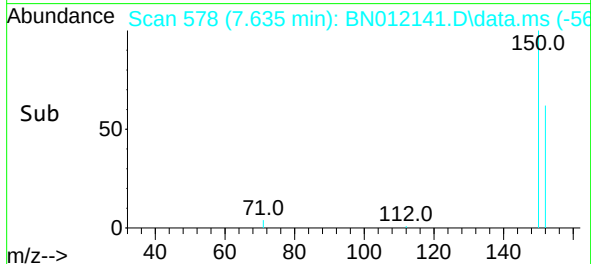
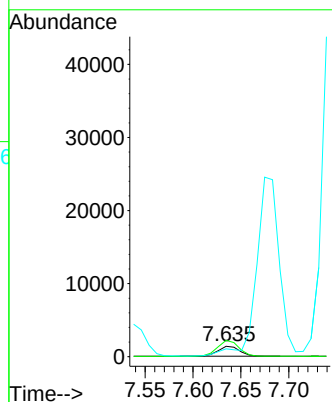
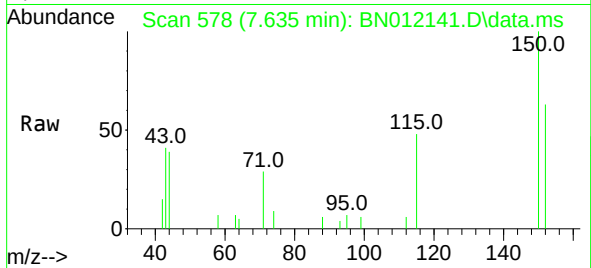




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.635 min Scan# 578
 Delta R.T. -0.007 min
 Lab File: BN012141.D
 Acq: 10 Oct 2020 02:20

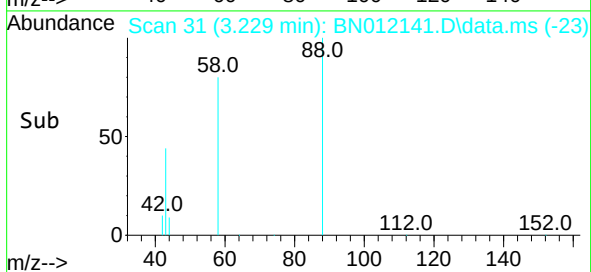
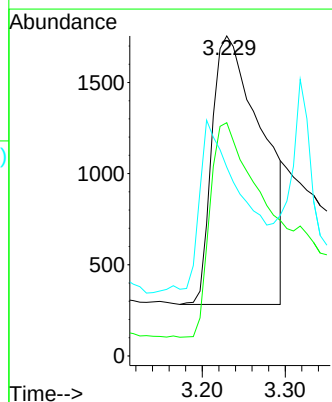
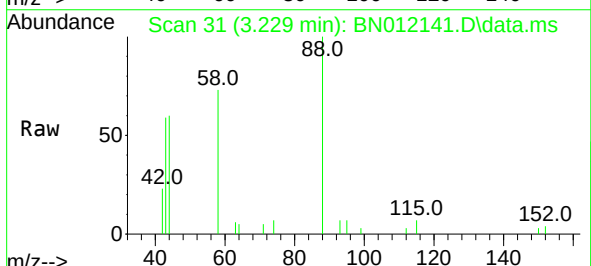
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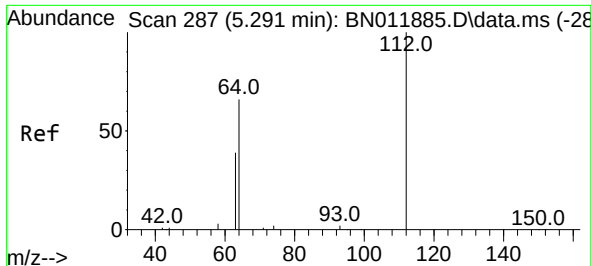
Tgt Ion:152 Resp: 2148
 Ion Ratio Lower Upper
 152 100
 150 157.6 118.3 177.5
 115 75.8 51.3 76.9



#2
 1,4-Dioxane
 Concen: 1.66 ng
 RT: 3.229 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: BN012141.D
 Acq: 10 Oct 2020 02:20

Tgt Ion: 88 Resp: 6207
 Ion Ratio Lower Upper
 88 100
 58 82.0 63.3 94.9
 43 0.0 33.0 49.4#

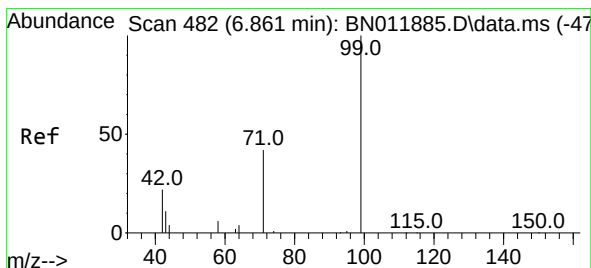
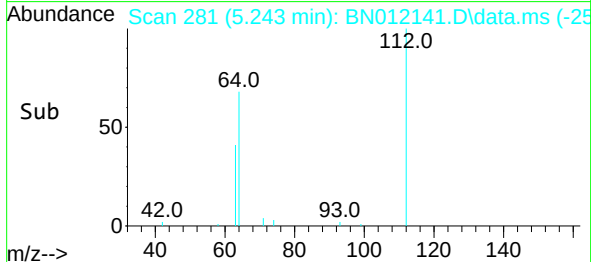
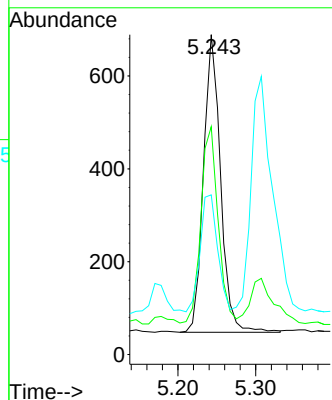
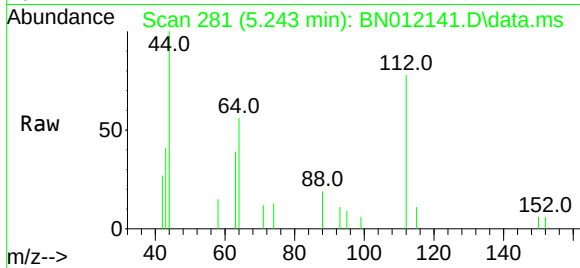




#4
2-Fluorophenol
Concen: 0.13 ng
RT: 5.243 min Scan# 281
Delta R.T. 0.000 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

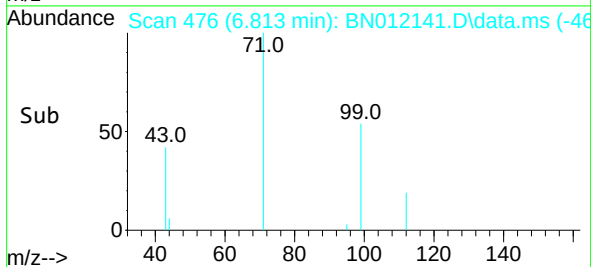
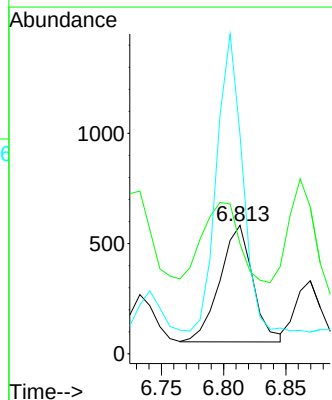
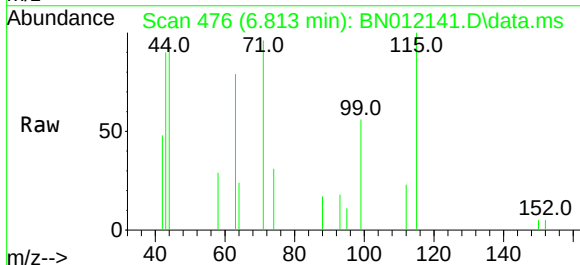
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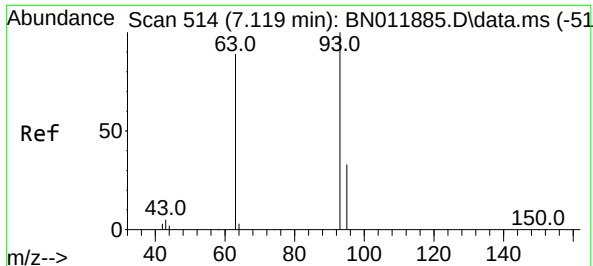
Tgt Ion:	112	Resp:	978
Ion	Ratio	Lower	Upper
112	100		
64	66.9	49.0	73.6
63	41.5	31.8	47.6



#5
Phenol-d6
Concen: 0.10 ng
RT: 6.813 min Scan# 476
Delta R.T. 0.000 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:	99	Resp:	978
Ion	Ratio	Lower	Upper
99	100		
42	80.3	23.4	35.0#
71	203.5	38.1	57.1#

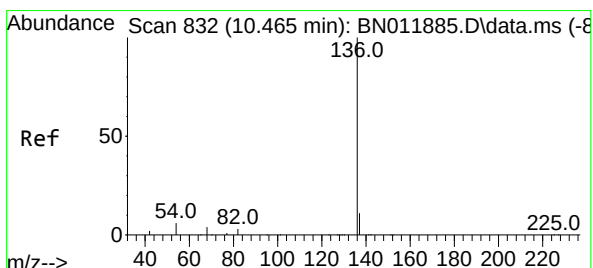
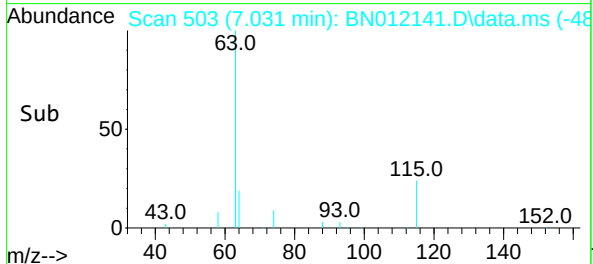
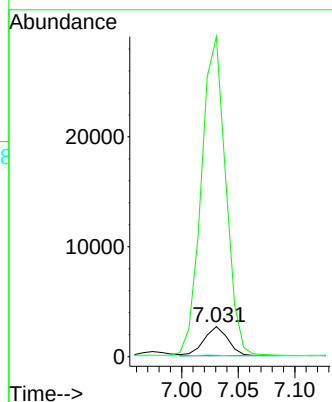
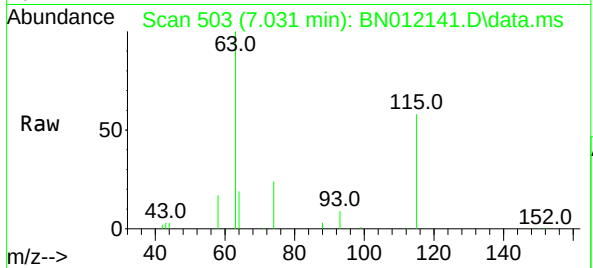




#6
bis(2-Chloroethyl)ether
Concen: 0.48 ng
RT: 7.031 min Scan# 503
Delta R.T. -0.040 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

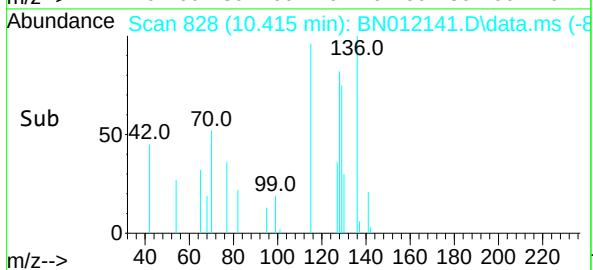
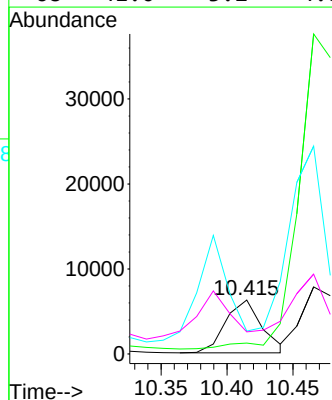
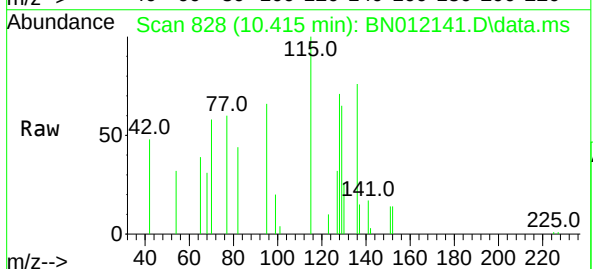
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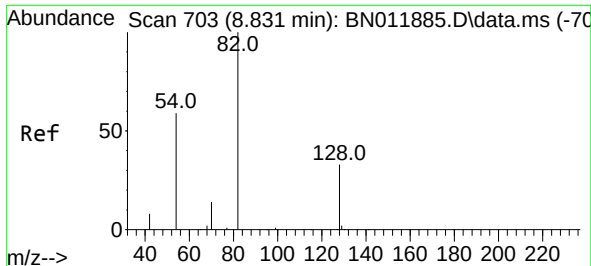
Tgt Ion: 93 Resp: 3874
Ion Ratio Lower Upper
93 100
63 1123.5 61.1 91.7#
95 2.9 25.5 38.3#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.415 min Scan# 828
Delta R.T. 0.000 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion: 136 Resp: 11957
Ion Ratio Lower Upper
136 100
137 20.1 9.5 14.3#
54 42.6 5.6 8.4#
68 41.0 3.2 4.8#

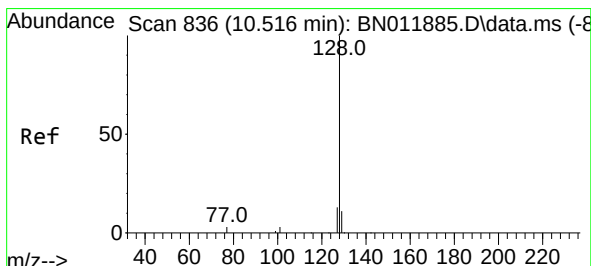
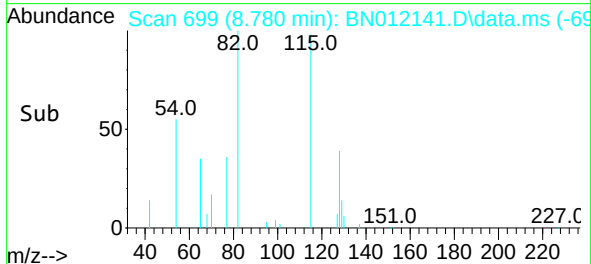
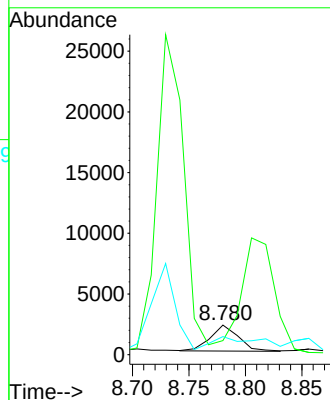
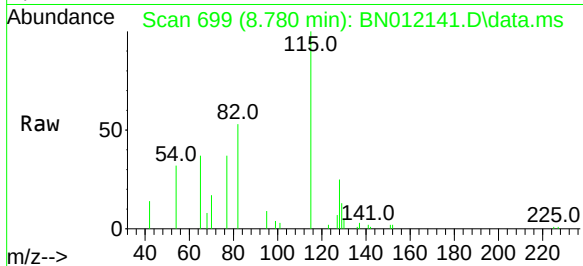




#8
Nitrobenzene-d5
Concen: 0.30 ng
RT: 8.780 min Scan# 699
Delta R.T. 0.000 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

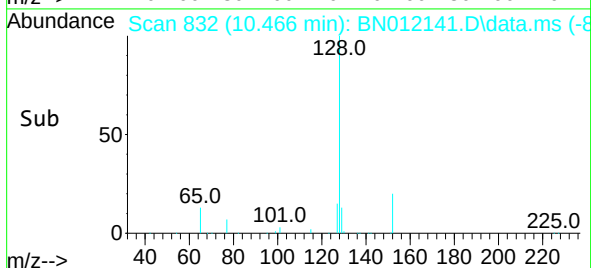
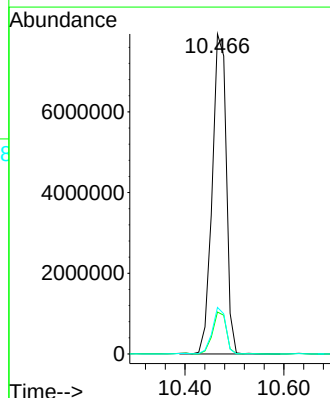
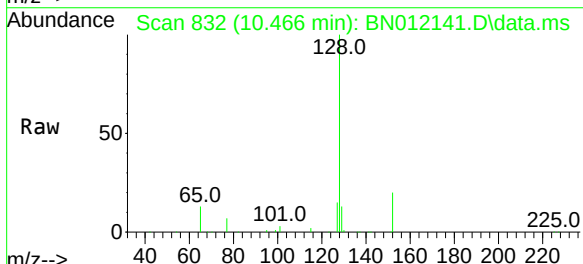
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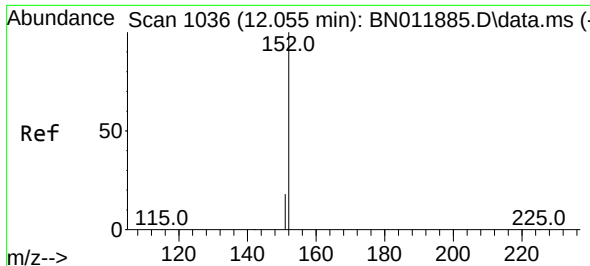
Tgt Ion: 82 Resp: 3721
Ion Ratio Lower Upper
82 100
128 47.7 34.2 51.2
54 61.2 43.1 64.7



#9
Naphthalene
Concen: 456.26 ng
RT: 10.466 min Scan# 832
Delta R.T. 0.000 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion: 128 Resp: 15629657
Ion Ratio Lower Upper
128 100
129 13.1 9.7 14.5
127 14.6 11.0 16.4

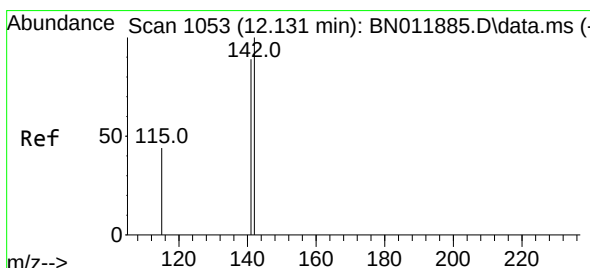
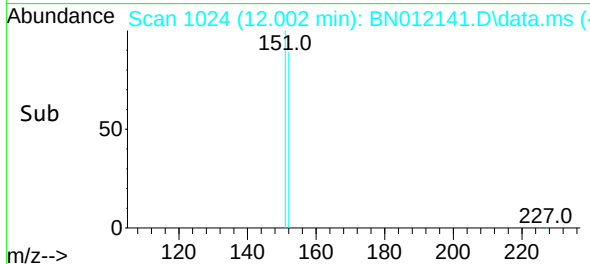
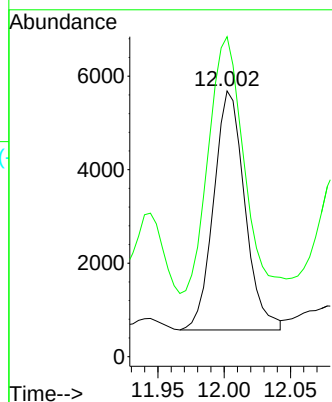
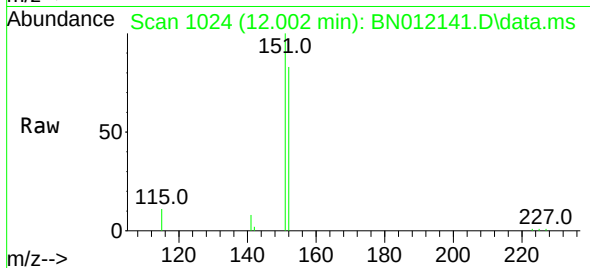




#11
2-Methylnaphthalene-d10
Concen: 0.44 ng
RT: 12.002 min Scan# 1024
Delta R.T. -0.004 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

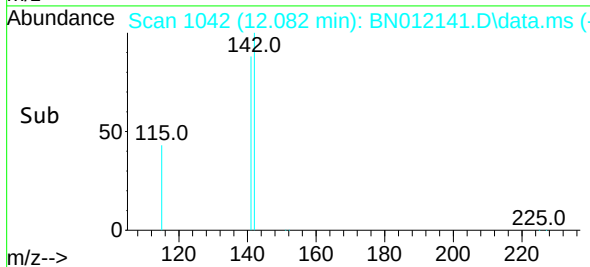
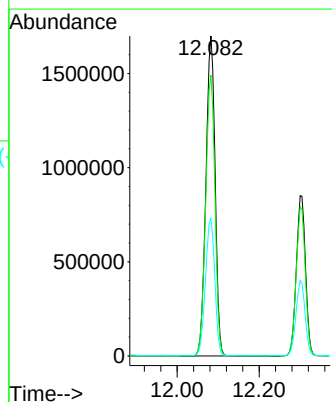
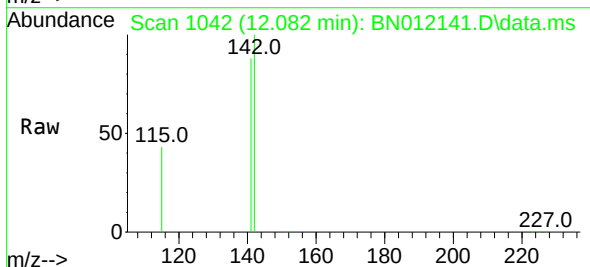
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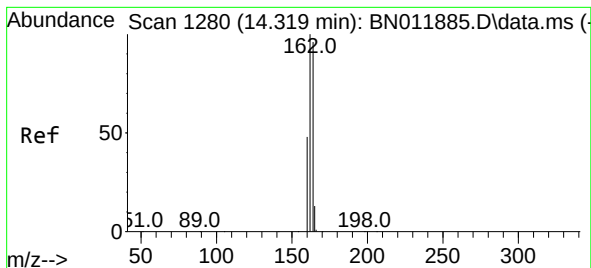
Tgt Ion:152 Resp: 8360
Ion Ratio Lower Upper
152 100
151 124.9 16.7 25.1#



#12
2-Methylnaphthalene
Concen: 121.49 ng
RT: 12.082 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:142 Resp: 2646334
Ion Ratio Lower Upper
142 100
141 87.7 70.0 105.0
115 43.0 35.8 53.6

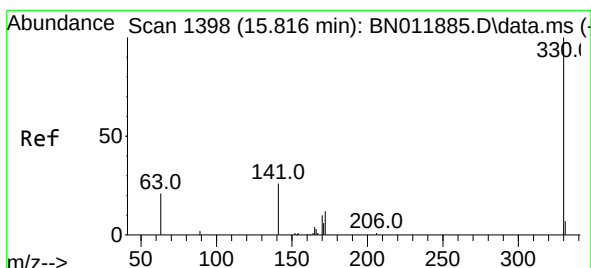
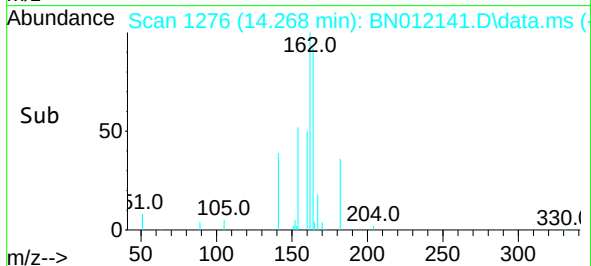
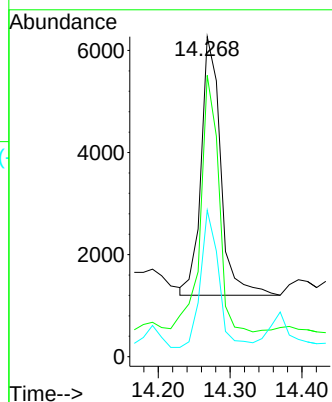
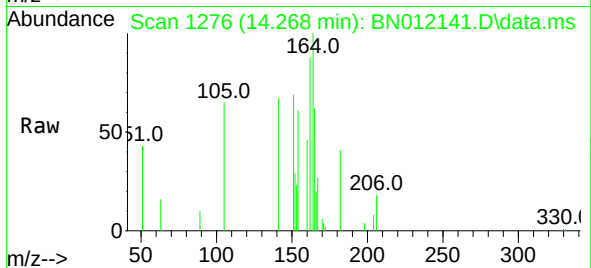




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.268 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

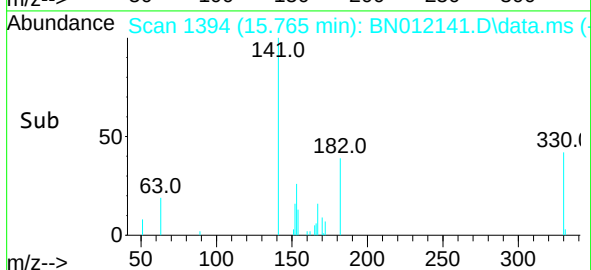
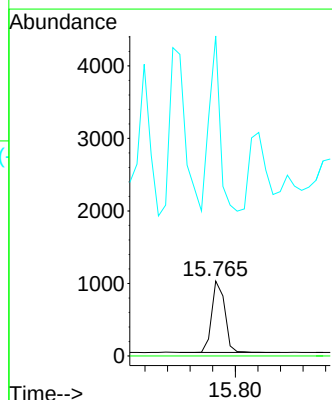
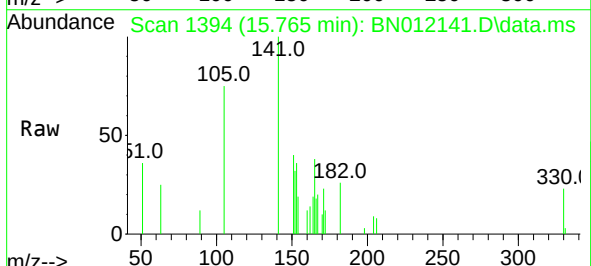
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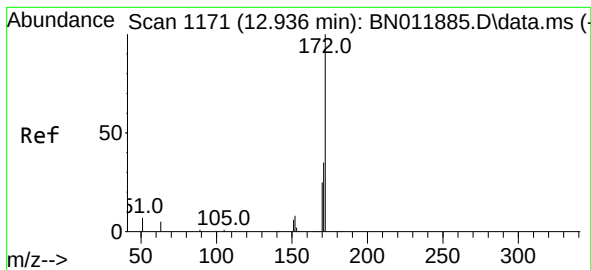
Tgt Ion:164 Resp: 9585
Ion Ratio Lower Upper
164 100
162 87.9 83.6 125.4
160 45.8 41.2 61.8



#14
2,4,6-Tribromophenol
Concen: 0.34 ng
RT: 15.765 min Scan# 1394
Delta R.T. -0.012 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:330 Resp: 1587
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 197.0 33.7 50.5#

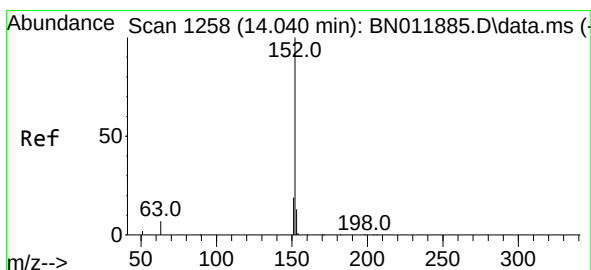
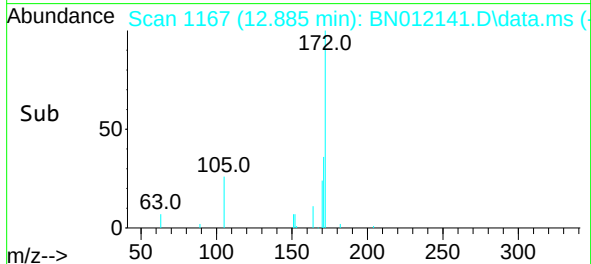
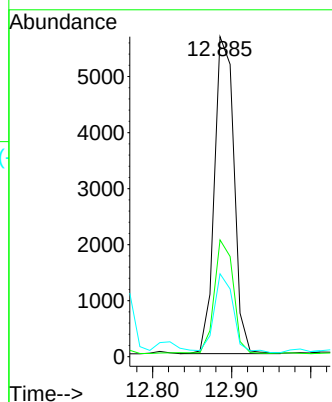
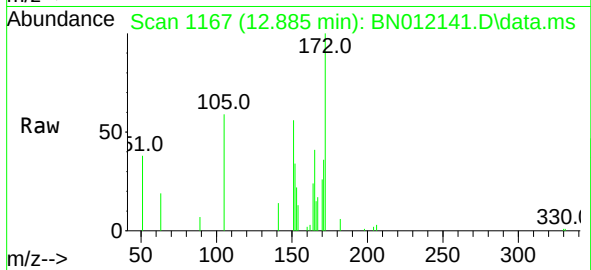




#15
2-Fluorobiphenyl
Concen: 0.27 ng
RT: 12.885 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

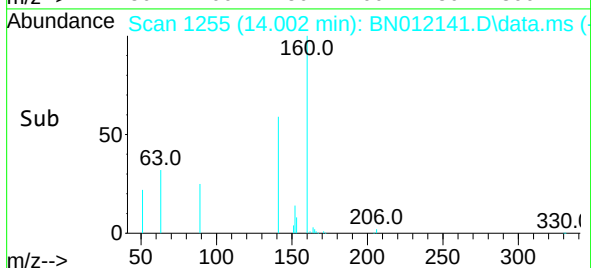
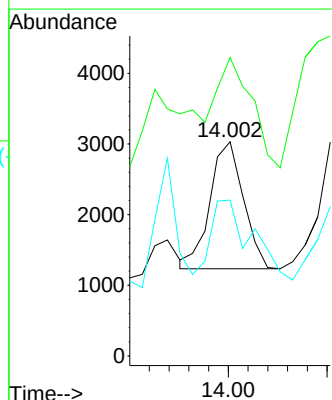
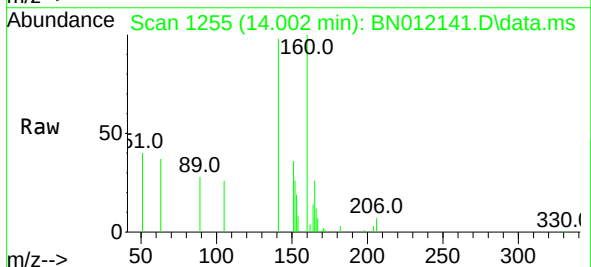
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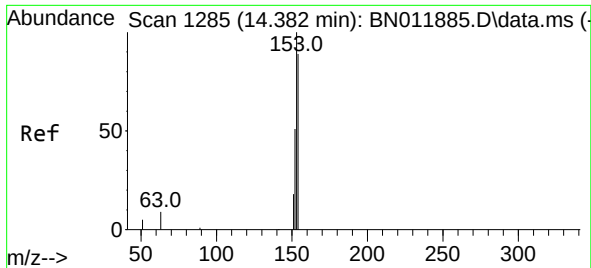
Tgt Ion:	172	Resp:	9698
Ion Ratio	Lower	Upper	
172	100		
171	36.5	27.4	41.2
170	25.9	17.8	26.6



#16
Acenaphthylene
Concen: 0.09 ng
RT: 14.002 min Scan# 1255
Delta R.T. 0.013 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:	152	Resp:	4231
Ion Ratio	Lower	Upper	
152	100		
151	89.5	15.9	23.9#
153	76.3	10.5	15.7#

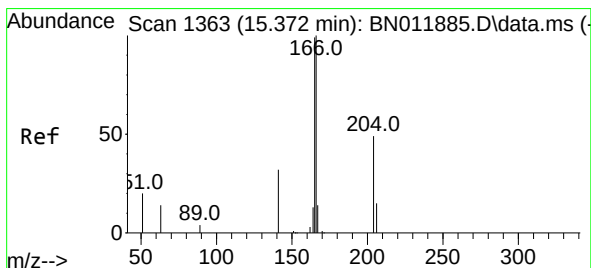
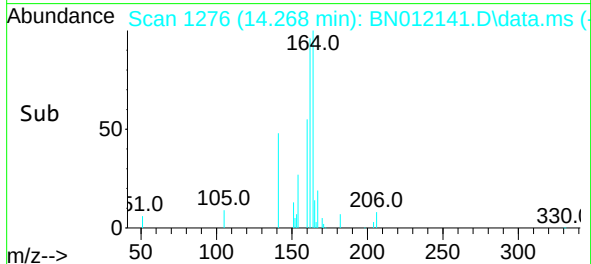
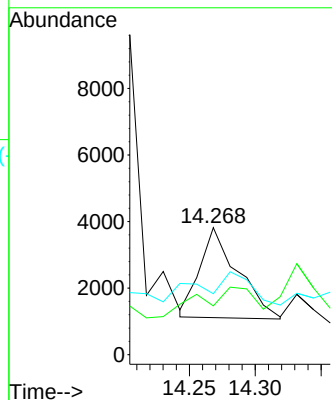
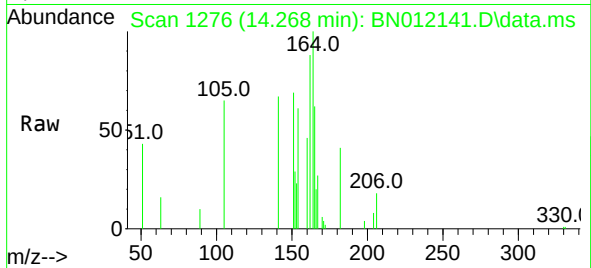




#17
Acenaphthene
Concen: 0.17 ng
RT: 14.268 min Scan# 1276
Delta R.T. -0.063 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

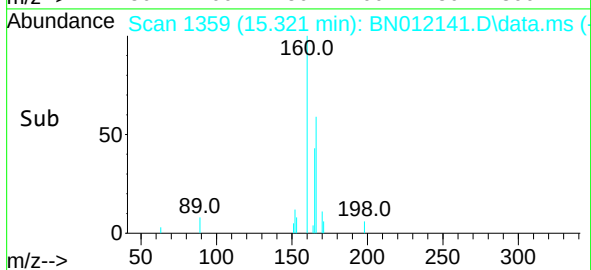
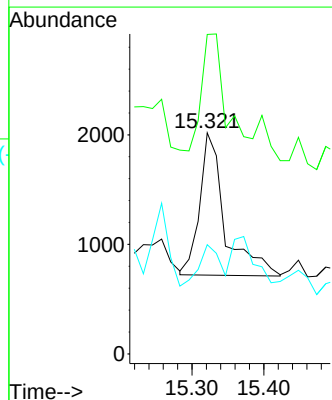
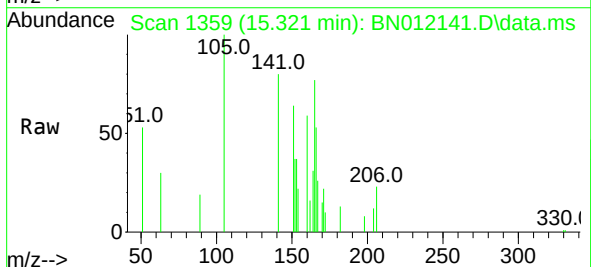
Instrument :
BNA_N
ClientSampleId :
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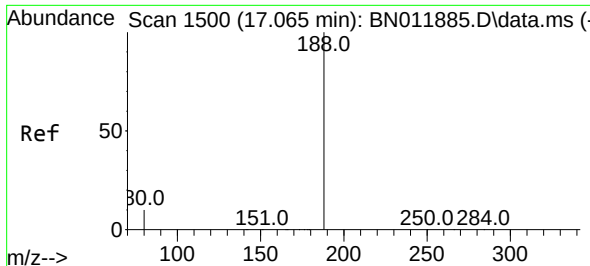
Tgt Ion:154 Resp: 5398
Ion Ratio Lower Upper
154 100
153 25.7 83.4 125.2#
152 31.7 42.8 64.2#



#18
Fluorene
Concen: 0.08 ng
RT: 15.321 min Scan# 1359
Delta R.T. -0.012 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:166 Resp: 3179
Ion Ratio Lower Upper
166 100
165 110.5 78.8 118.2
167 27.9 11.2 16.8#

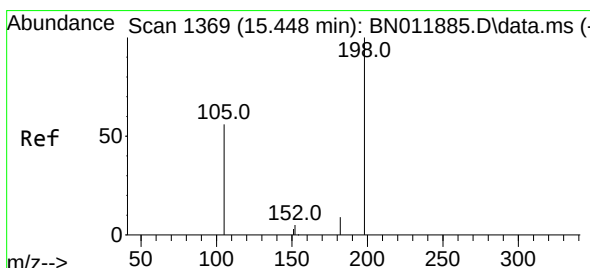
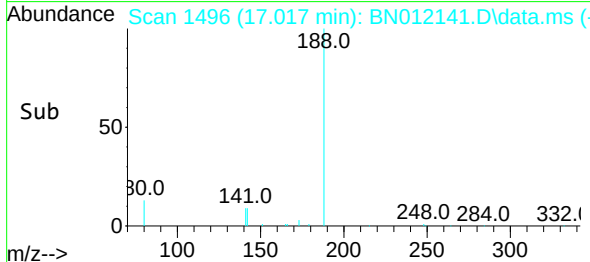
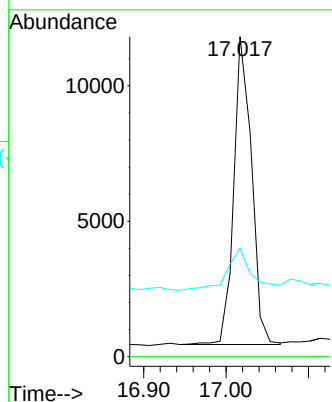
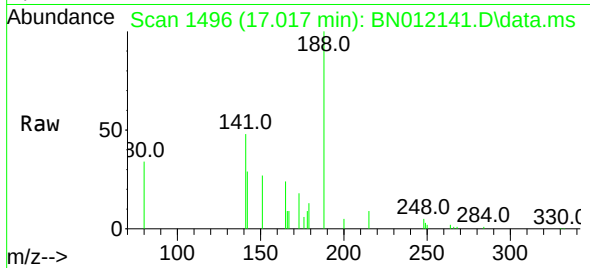




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.017 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

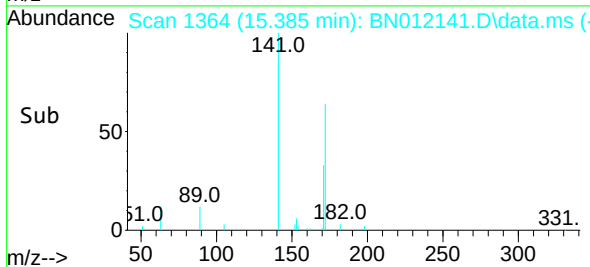
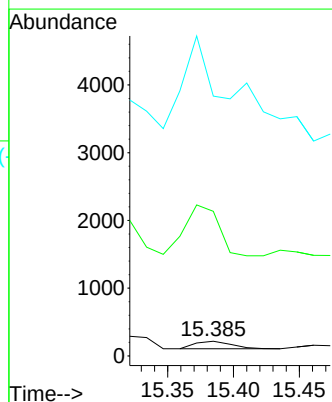
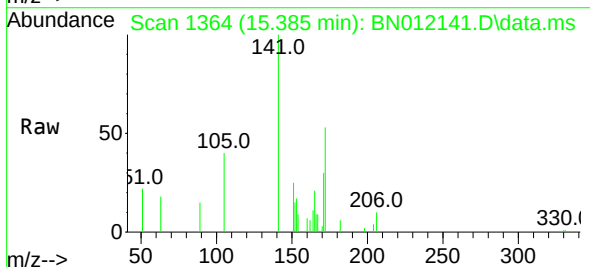
Instrument :
BNA_N
ClientSampleId :
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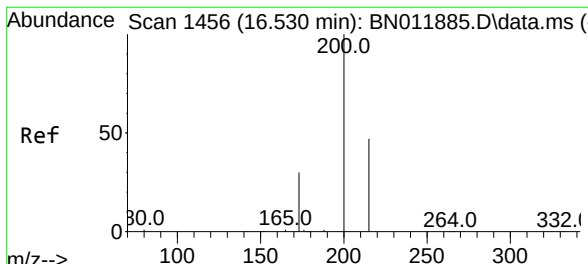
Tgt Ion:188 Resp: 17001
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 33.9 7.7 11.5#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.07 ng
RT: 15.385 min Scan# 1364
Delta R.T. -0.038 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:198 Resp: 215
Ion Ratio Lower Upper
198 100
51 979.4 45.0 67.4#
105 1759.6 30.4 45.6#

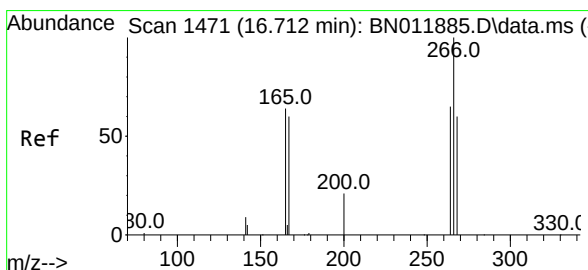
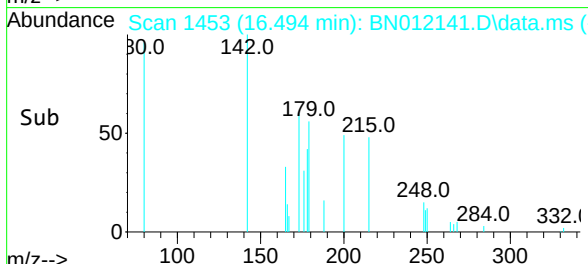
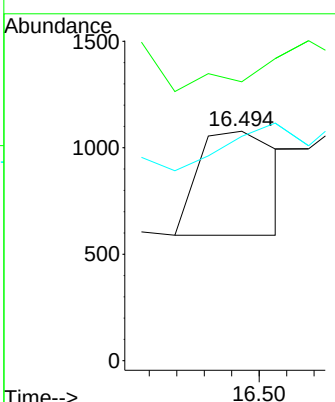
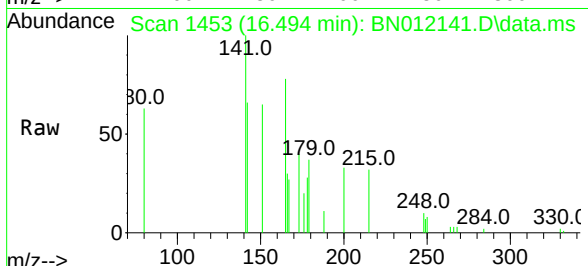




#23
 Atrazine
 Concen: 0.12 ng
 RT: 16.494 min Scan# 1453
 Delta R.T. 0.000 min
 Lab File: BN012141.D
 Acq: 10 Oct 2020 02:20

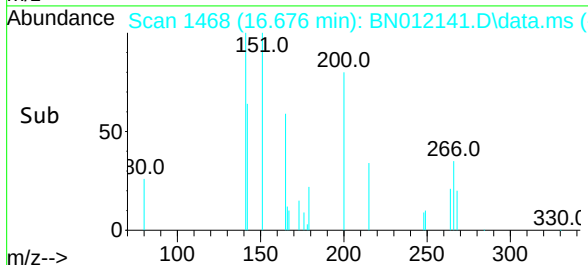
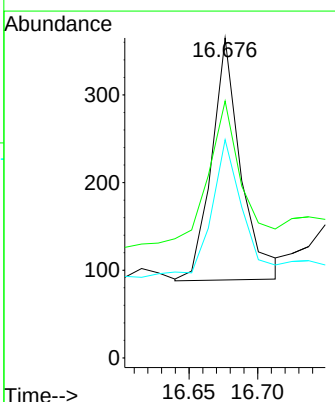
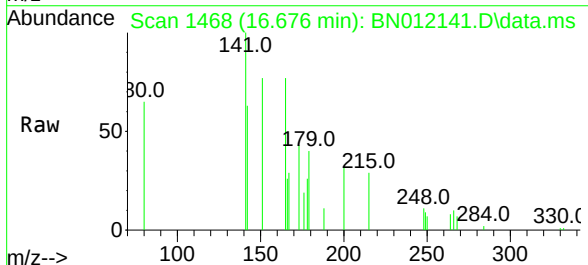
Instrument :
 BNA_N
 ClientSampleId :
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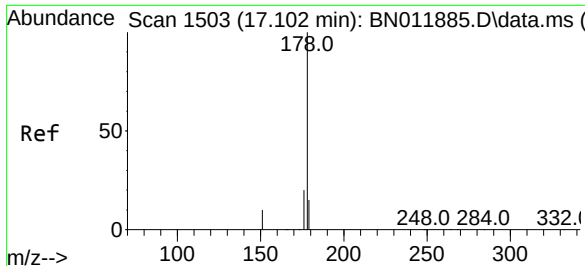
Tgt Ion:	200	Resp:	993
Ion Ratio	Lower	Upper	
200	100		
173	121.5	18.7	28.1#
215	97.8	40.2	60.4#



#24
 Pentachlorophenol
 Concen: 0.08 ng
 RT: 16.676 min Scan# 1468
 Delta R.T. 0.000 min
 Lab File: BN012141.D
 Acq: 10 Oct 2020 02:20

Tgt Ion:	266	Resp:	409
Ion Ratio	Lower	Upper	
266	100		
264	76.3	51.2	76.8
268	61.1	52.4	78.6

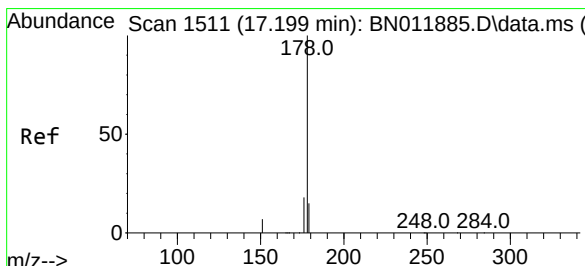
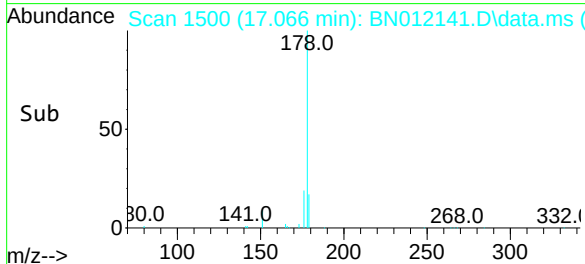
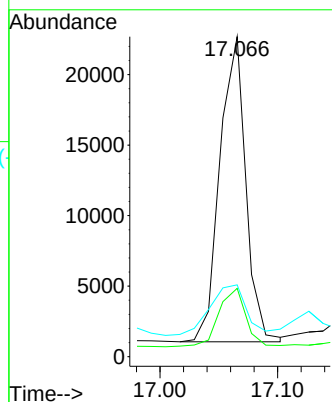
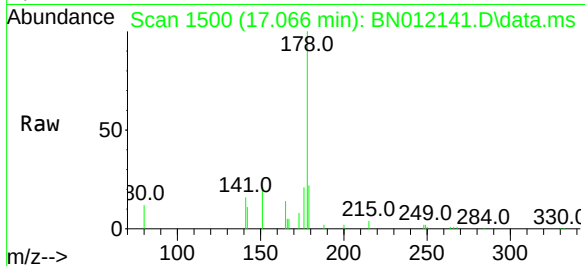




#25
Phenanthrene
Concen: 0.64 ng
RT: 17.066 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

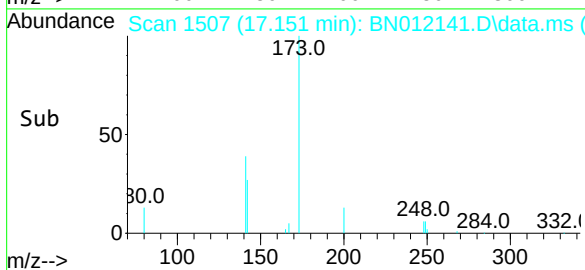
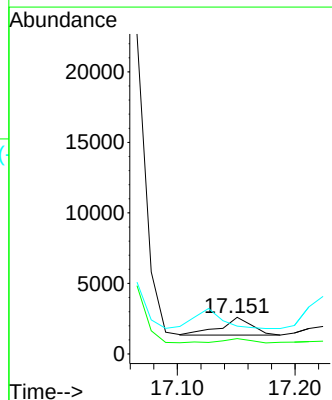
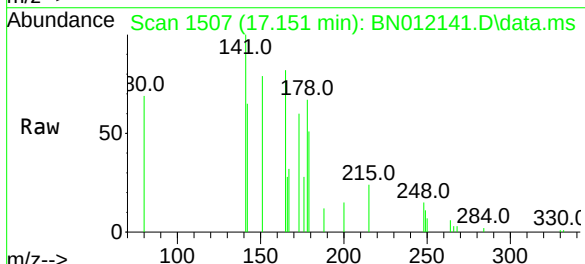
Instrument :
BNA_N
ClientSampleId :
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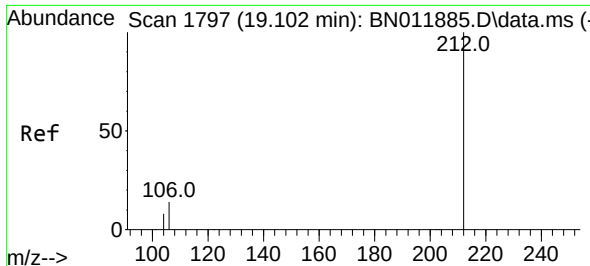
Tgt Ion:178 Resp: 33162
Ion Ratio Lower Upper
178 100
176 20.2 15.1 22.7
179 23.3 12.3 18.5#



#26
Anthracene
Concen: 0.05 ng
RT: 17.151 min Scan# 1507
Delta R.T. -0.012 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:178 Resp: 2350
Ion Ratio Lower Upper
178 100
176 20.4 14.6 21.8
179 0.0 12.4 18.6#

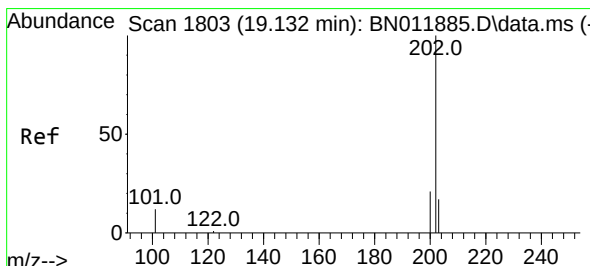
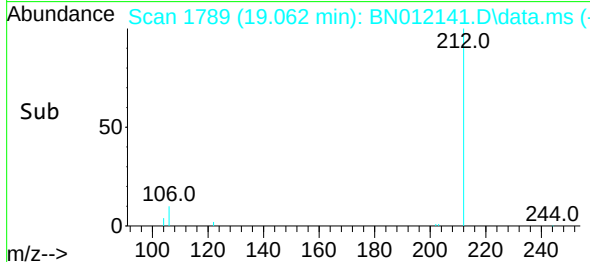
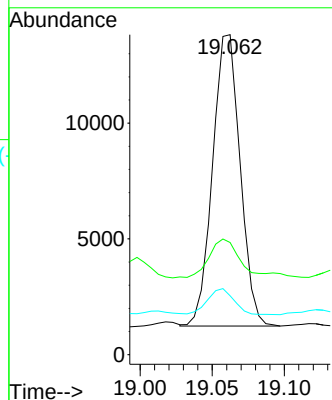
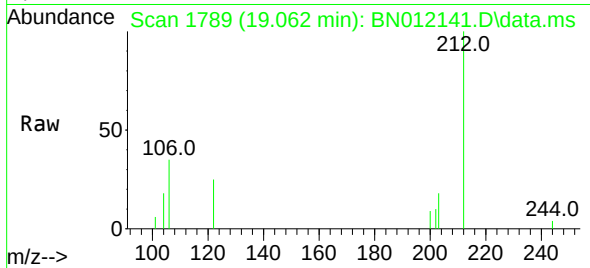




#27
Fluoranthene-d10
Concen: 0.33 ng
RT: 19.062 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

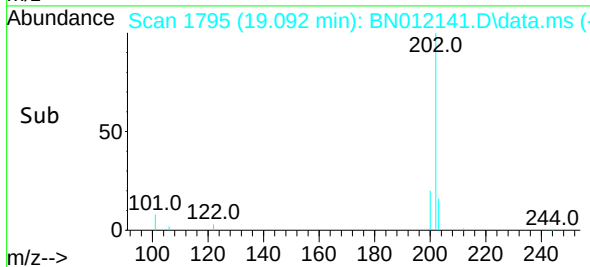
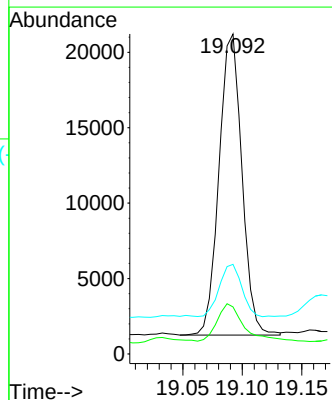
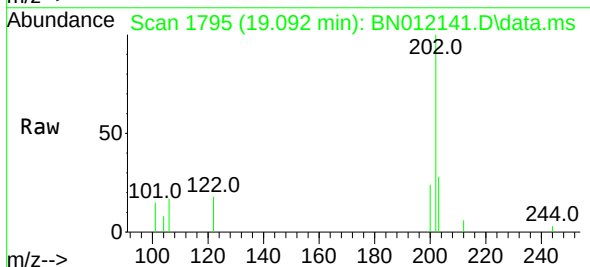
Instrument :
BNA_N
ClientSampleId :
UST-CONTENT-LIQUID

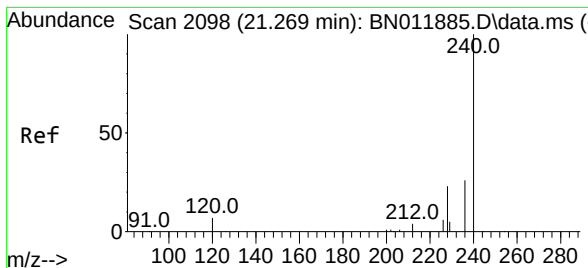
Tgt Ion:212 Resp: 16702
Ion Ratio Lower Upper
212 100
106 15.6 6.4 9.6#
104 8.4 3.9 5.9#



#28
Fluoranthene
Concen: 0.46 ng
RT: 19.092 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:202 Resp: 26739
Ion Ratio Lower Upper
202 100
101 14.7 5.4 8.2#
203 17.3 13.8 20.6





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.227 min Scan# 2094

Delta R.T. 0.000 min

Lab File: BN012141.D

Acq: 10 Oct 2020 02:20

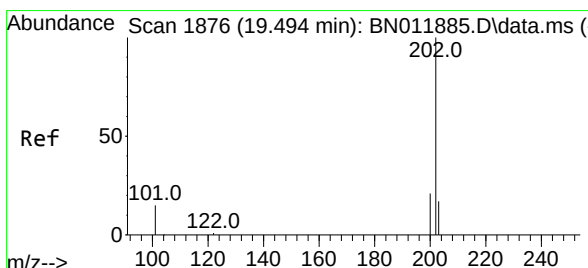
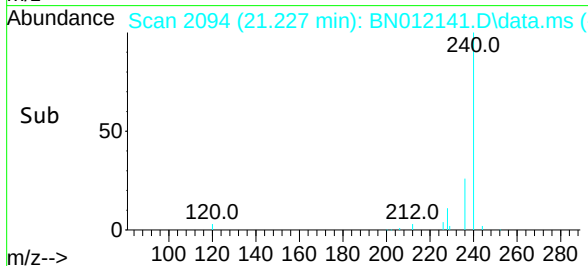
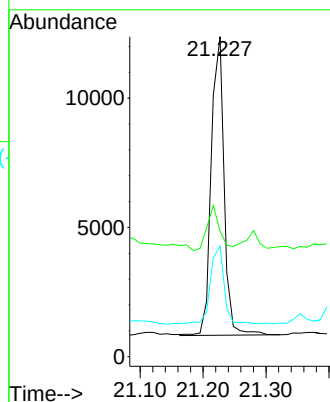
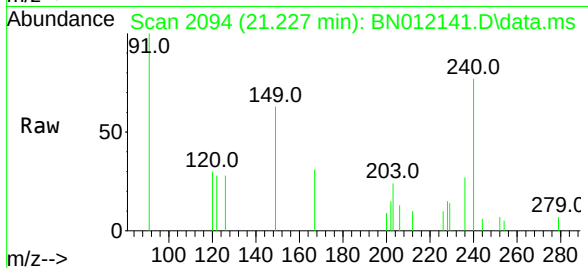
Tgt Ion:240 Resp: 16347

Ion Ratio Lower Upper

240 100

120 39.2 3.5 5.3#

236 34.6 20.5 30.7#



#30

Pyrene

Concen: 0.40 ng

RT: 19.454 min Scan# 1868

Delta R.T. -0.005 min

Lab File: BN012141.D

Acq: 10 Oct 2020 02:20

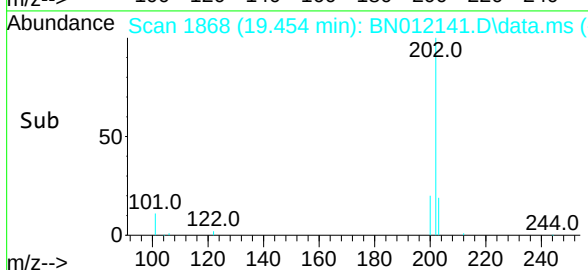
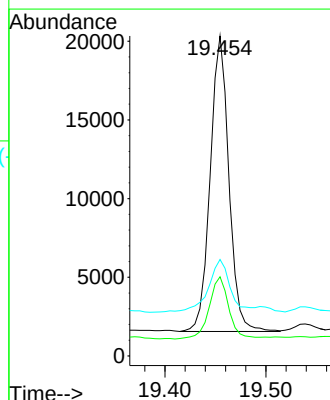
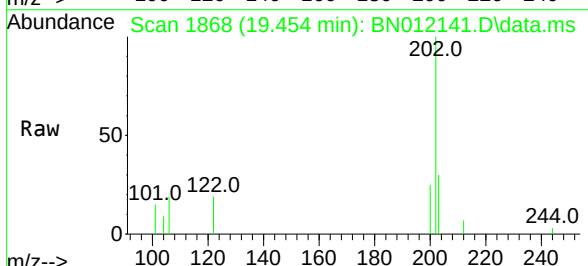
Tgt Ion:202 Resp: 24182

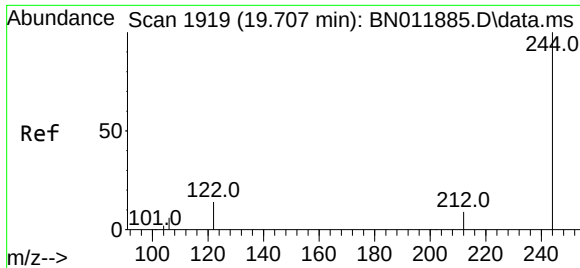
Ion Ratio Lower Upper

202 100

200 22.2 16.5 24.7

203 20.4 13.9 20.9

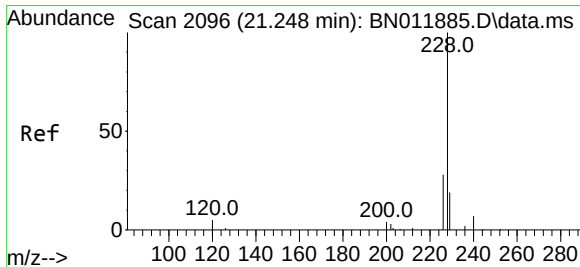
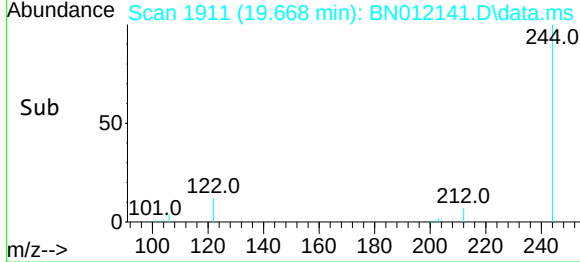
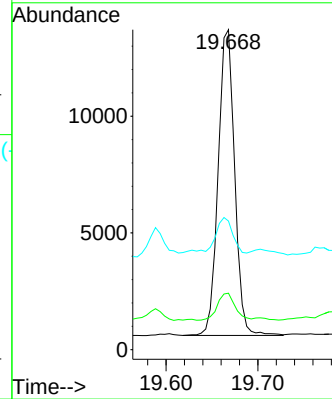
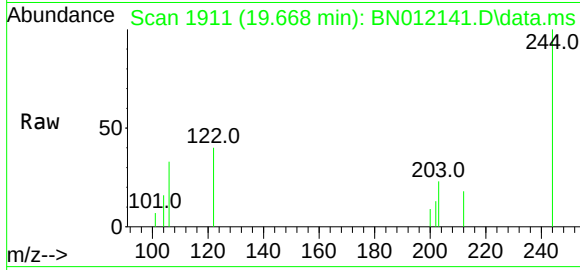




#31
Terphenyl-d14
Concen: 0.44 ng
RT: 19.668 min Scan# 1911
Delta R.T. -0.005 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

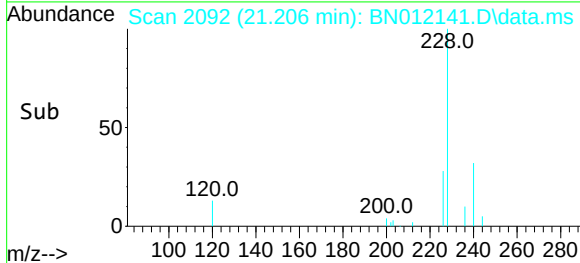
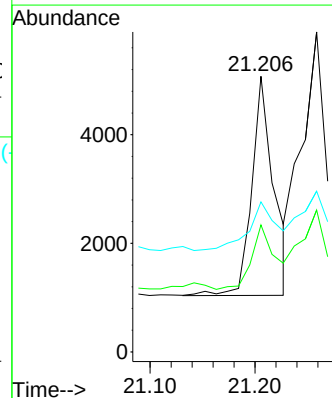
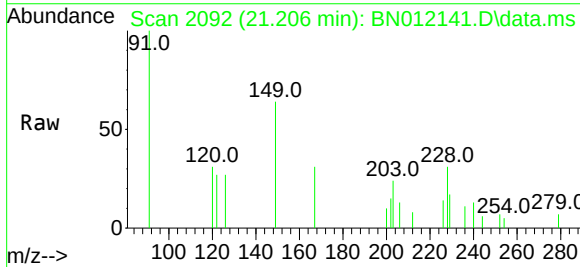
Instrument :
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ClientSampleId :
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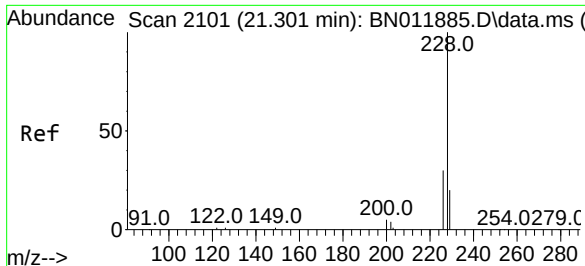
Tgt Ion:244 Resp: 16342
Ion Ratio Lower Upper
244 100
212 17.6 7.3 10.9#
122 40.2 7.8 11.6#



#32
Benzo(a)anthracene
Concen: 0.11 ng
RT: 21.206 min Scan# 2092
Delta R.T. -0.010 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:228 Resp: 5918
Ion Ratio Lower Upper
228 100
226 46.1 21.0 31.4#
229 54.5 16.0 24.0#

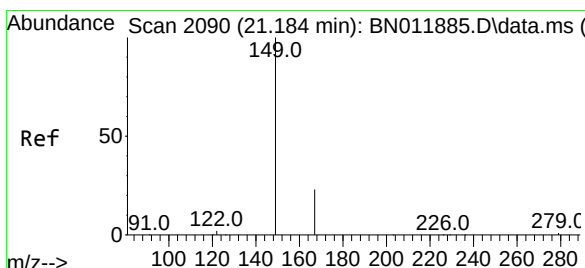
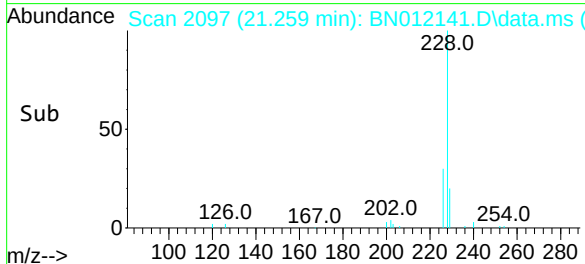
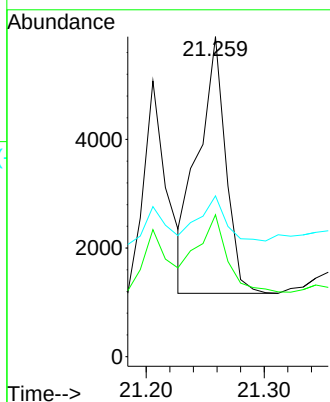
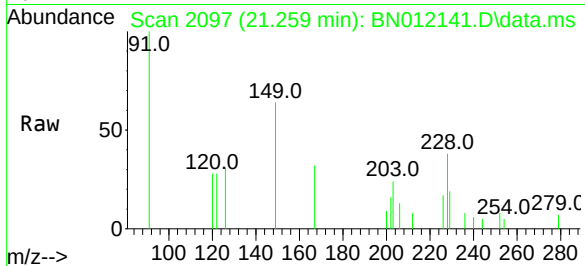




#33
Chrysene
Concen: 0.14 ng
RT: 21.259 min Scan# 2097
Delta R.T. -0.010 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

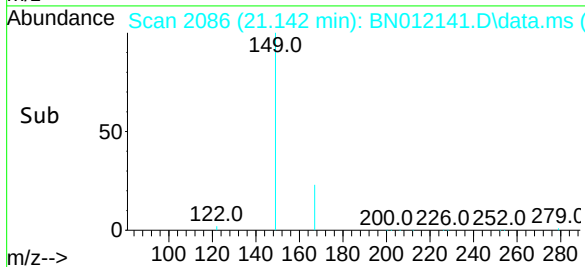
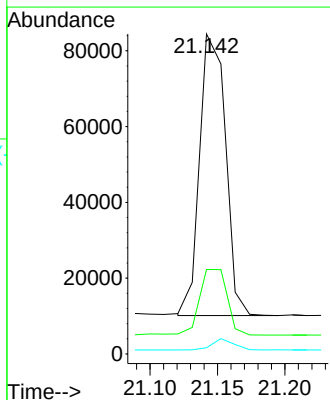
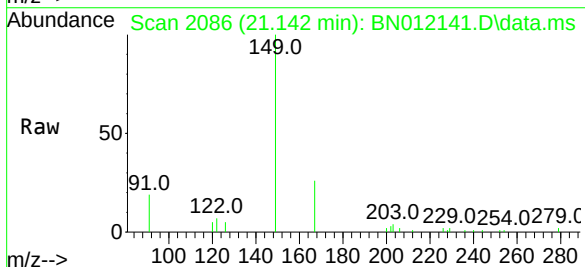
Instrument :
BNA_N
ClientSampleId :
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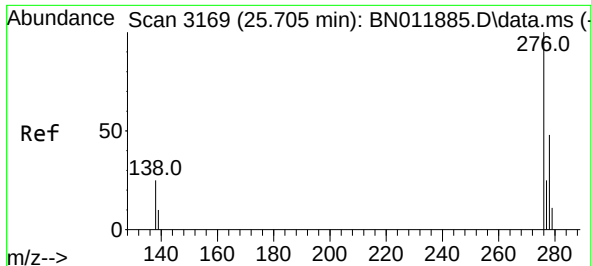
Tgt Ion:228	Resp: 7696
Ion Ratio	Lower Upper
228 100	
226 44.4	23.3 34.9#
229 50.2	15.8 23.8#



#34
Bis(2-ethylhexyl)phthalate
Concen: 2.68 ng
RT: 21.142 min Scan# 2086
Delta R.T. -0.010 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:149	Resp: 99383
Ion Ratio	Lower Upper
149 100	
167 24.6	23.6 35.4
279 3.4	4.0 6.0#

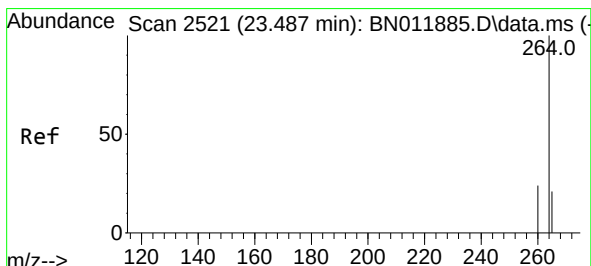
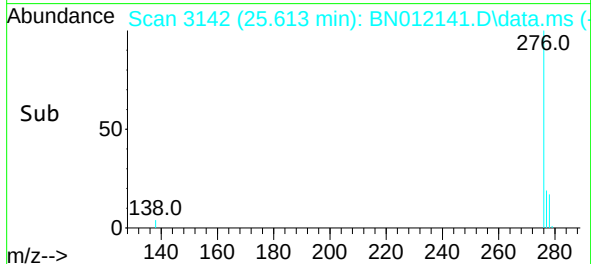
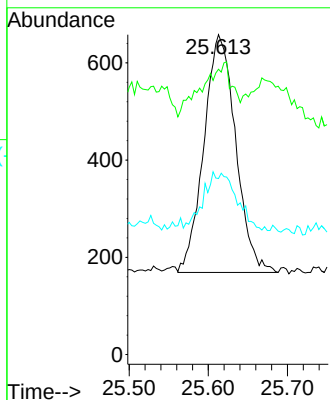
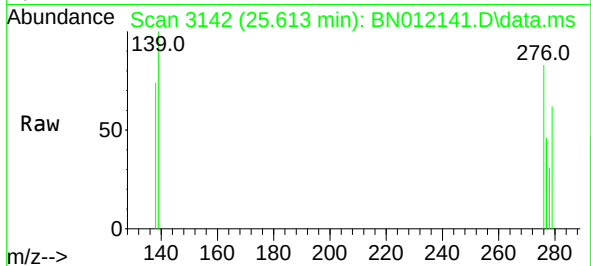




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 25.613 min Scan# 3142
Delta R.T. -0.017 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

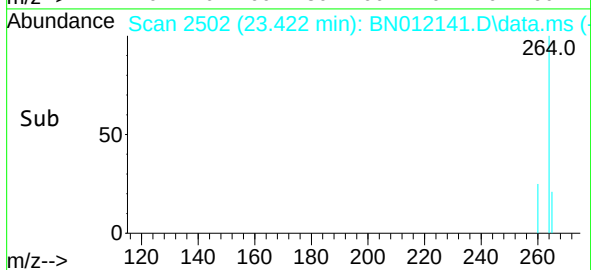
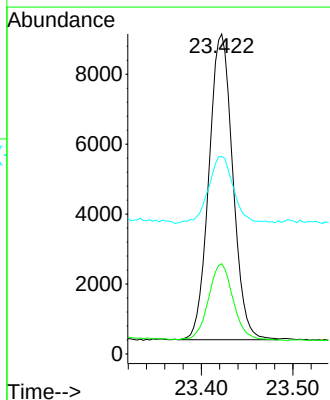
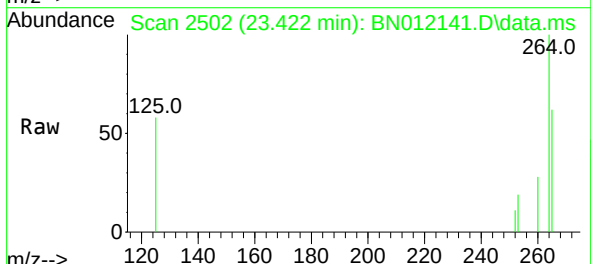
Instrument :
BNA_N
ClientSampleId :
UST-CONTENT-LIQUID

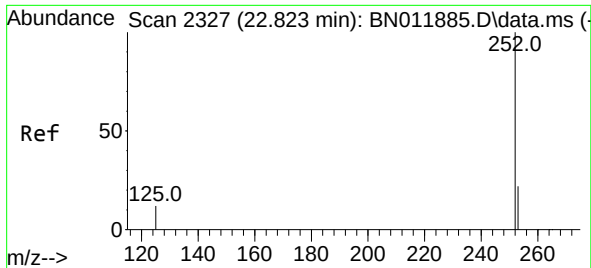
Tgt Ion:276 Resp: 1367
Ion Ratio Lower Upper
276 100
138 21.7 13.0 19.4#
277 9.8 20.0 30.0#



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.422 min Scan# 2502
Delta R.T. -0.010 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:264 Resp: 15836
Ion Ratio Lower Upper
264 100
260 28.2 19.6 29.4
265 61.6 38.6 58.0#

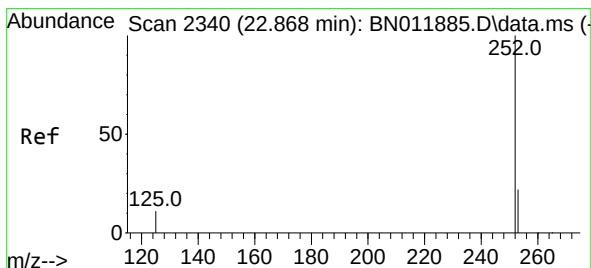
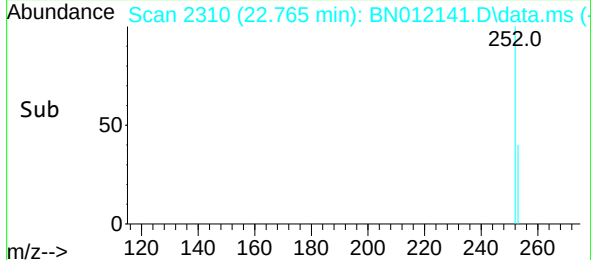
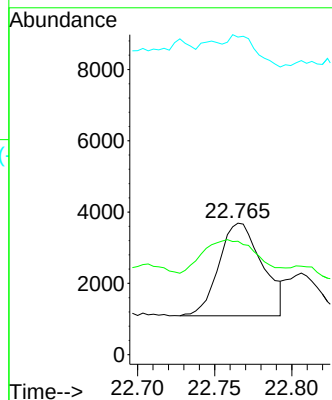
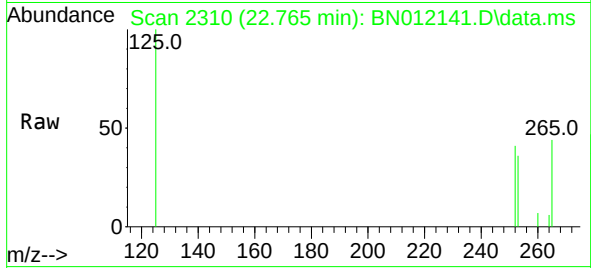




#37
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 22.765 min Scan# 2310
Delta R.T. -0.007 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

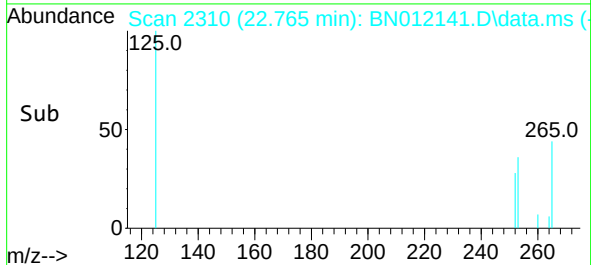
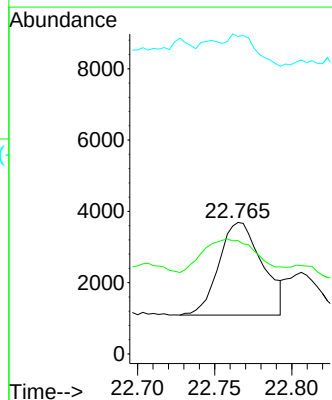
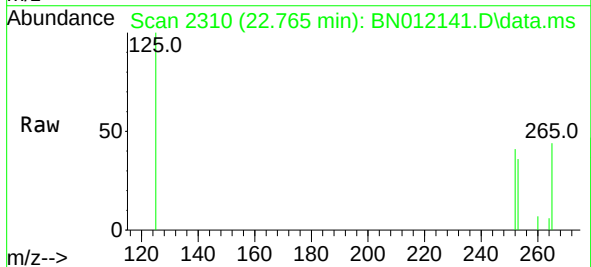
Instrument :
BNA_N
ClientSampleId :
UST-CONTENT-LIQUID

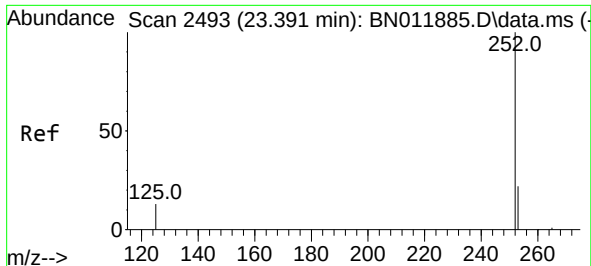
Tgt Ion:252 Resp: 5131
Ion Ratio Lower Upper
252 100
253 86.3 19.1 28.7#
125 241.6 6.2 9.2#



#38
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.765 min Scan# 2310
Delta R.T. -0.051 min
Lab File: BN012141.D
Acq: 10 Oct 2020 02:20

Tgt Ion:252 Resp: 5131
Ion Ratio Lower Upper
252 100
253 86.3 19.3 28.9#
125 241.6 6.0 9.0#





#39

Benzo(a)pyrene

Concen: 0.04 ng

RT: 23.323 min Scan# 2473

Delta R.T. -0.010 min

Lab File: BN012141.D

Acq: 10 Oct 2020 02:20

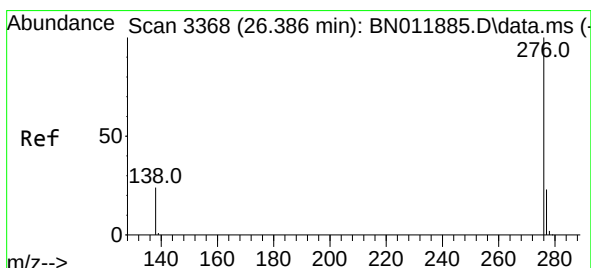
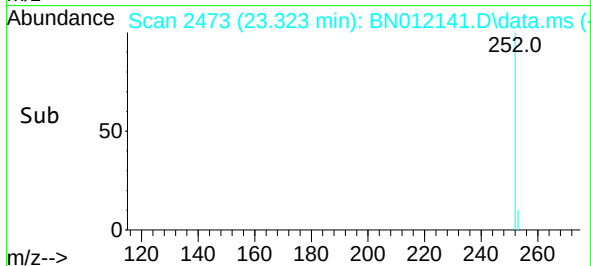
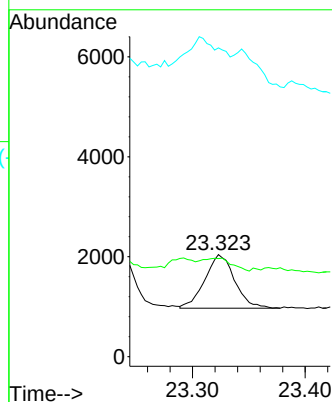
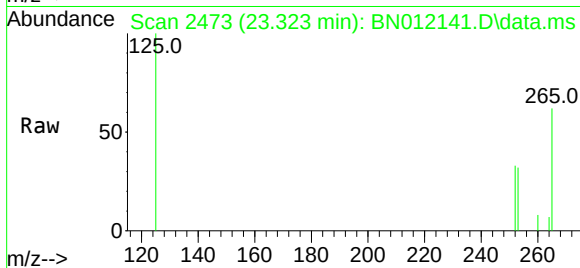
Tgt Ion:252 Resp: 1973

Ion Ratio Lower Upper

252 100

253 96.0 19.8 29.6#

125 302.4 7.3 10.9#



#41

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.287 min Scan# 3339

Delta R.T. -0.010 min

Lab File: BN012141.D

Acq: 10 Oct 2020 02:20

Tgt Ion:276 Resp: 1682

Ion Ratio Lower Upper

276 100

277 53.5 19.4 29.0#

138 76.0 11.3 16.9#

